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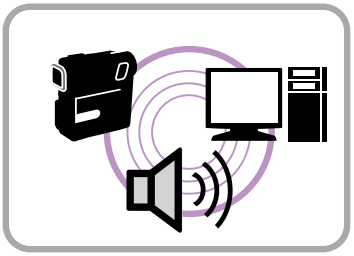
Product Features

Small but Strong UMPC (Ultra Mobile PC)

- VIA Isaiah CPU
- DDR2 Memory (Optional)

7” WSVGA LCD

- Basic Resolution of 1024 x 600 Pixels, Maximum Resolution of 1920 x 1440 Pixels (When an external display device is connected with the Organizer)
- A Touch Screen has been adopted allowing convenient input with your fingers.
- A convenient mouse function.



Powerful Multimedia Functions

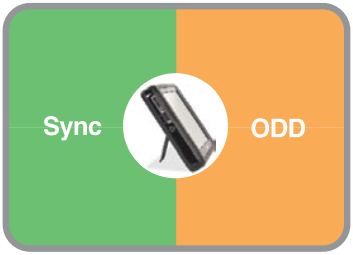
- Camera for photographing and video recording (Optional)

Multiple Network Support

- Wireless LAN, Bluetooth (Optional)
- Resolves Space Restrictions through the Wireless Communication Function

PC in Hand

- Improved portability through its compact size and light-weight design
- Slim, Polished Design



Optional Accessories for Additional Convenience (Optional)

- Organizer for convenient operations
- USB Data Cable Enabling Data Exchange with another PC.
- USB External ODD(Optical Disk Drive), Ultra-Slim USB External Keyboard

Optional items may be changed or may not be provided depending on the computer model.

Before You Start

Before reading the User Guide, first check the following information.

User Guide Information

This product is supplied with an **Getting Started Guide**, and a **User Guide**.

You can even more easily and conveniently use the computer by using any of the guides depending on your needs.

Getting Started Guide

This guide is provided so that you can conveniently refer to this guide when using the computer for the first time after purchasing it.

User Guide

You are currently reading the User Guide. To open the file at any time, double-click the icon on the Desktop.

Alternatively, select **Start > All Programs > Samsung>User Guide > User Guide**.

This document includes the computer functions, how to use the functions, and how to use the programs.

Utilizing the User Guide

❶ Be sure to read the **Safety Precautions** before using the computer.

❷ For basic usage of the computer refer to the additionally supplied **Getting Started Guide**.

❸ Refer to the **User Guide** for the procedures to use the computer.

❹ Using the **Index** of the User Guide, you can easily find any information you are looking for.

❺ Using the **Glossary** of the User Guide, you can easily find meanings for technical terms.

❻ If a problem occurs, refer to the **Q & A** included in the User Guide.

- Some devices and software referred in the User Guide may not be provided and/or changed by upgrade.
  Note that the computer environment referred in the User Guide may not be the same as your own environment.
- The image used for the cover and text of the User Guide may not be the same as actual ones.

- This guide decribes procedures for both the mouse and the stylus pen together. A '**Click**' in this manual refers to a '**Single-tap'** for the Stylus Pen.
- The figures in this guide are provided assuming that your operating system is **Windows Vista**. The figures are subject to change.
- The User guide supplied with computer may be varied depending on model.

Safety Precaution Notations

Icon	Notation	Description
	Warning	Failing to follow instructions marked with this symbol, may cause personal injury and or fatality.
	Caution	Failing to follow instructions marked with this symbol, may cause slight injury to yourself or damage your property.

Text Notations

Icon	Notation	Description
	Before You Start	Content included in this section includes information required before using a function.
	Caution	Content included in this section includes information required about the function.
	Note	Content included in this section includes helpful information to use the function.
	Page XX	This notation represents the page number you can refer to for information about related functions or as a reference.
Start > All Programs > Samsung > User Guide > User Guide		This represents a menu path to run a program. Click the Start button and then select **All Programs > Samsung > User Guide > User Guide** in this order from the menu.

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The information in this document is subject to change without notice due to improving the performance of the product.

Samsung Electronics shall not be liable for any data loss. Please take care to avoid losing any important data and backup your data to prevent any such data loss.

Precautions for Operating System Support

The operating system (OS) installed on this product is the latest version of Windows Vista. You cannot install an operating system other than Windows Vista as well as any unauthorized copy of Windows Vista.

Example) When trying to install Windows Vista Home Premium when Windows Vista Home Basic is already installed.

Other operating systems (Windows 98, Windows ME, Windows 2000, Windows 2003 server, UNIXand LINUX, other Windows Vista versions, etc.) other than the operating system already installed on this computer are not supported.

If a problem occurs because of the installation of another operating system, the company will not provide technical support, a replacement or refund, and if our service engineer visits you due to this problem, a service charge will be applied.

In addition, installing a program that does not support Windows Vista, may cause the program to not work properly.

In this case, ask the corresponding software manufacturer about the problem. If you request our services to resolve a problem caused by incompatible software, a service charge will be applied.

Performance Restrictions

❶ Online games and some games(3D,2D) may not be supported and Full HD video and some high bit rate HD video playback may be slow and stutter on this computer.

❷ There is one memory slot provided on this computer. It supports 2GB memory max. To upgrade to 2GB memory, replace the current memory with a 2GB memory module.

About the Product Capacity Representation Standard

About HDD Capacity Representation

The capacity of the storage device (HDD, SSD) of the manufacturer is calculated assuming that 1KB=1,000 Bytes.

However, the operating system (Windows) calculates the storage device capacity assuming that 1KB=1,024 Bytes, and therefore the capacity representation of the HDD in Windows is smaller than the actual capacity due to the difference in capacity calculation.
(E.g. For a 80GB HDD, Windows represents the capacity as 74.5GB, 80x1,000x1,000x1,000 byte/(1,024x1,024x1,024)byte = 74.505GB)

In addition, the capacity representation in Windows may be even smaller because some programs such as Recovery Solution may reside in a hidden area of the HDD.

About Memory Capacity Representation

The memory capacity reported in Windows is less than the actual capacity of memory.

This is because BIOS or a video adapter uses a portion of memory or claims it for further use.

(E.g. For 1GB(=1,024MB) memory installed, Windows may report the capacity as 1,022MB or less)

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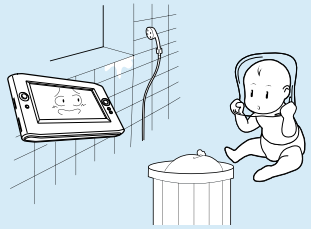
Safety Precautions

For your security and to prevent damage, please read the following safety instructions carefully. Since this is commonly applied to Samsung Computers, some figures may differ from actual product.

⚠ Warning

Failing to follow instructions marked with this symbol may cause personal injury and even fatality.

Installation Related

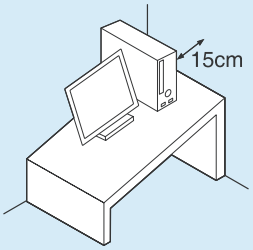


Do not install the product in places exposed to humidity such as a bathrooms.

There is a danger of electric shock. Use the product within the operating conditions specified in the Manufacturers User Guide.

Keep the plastic bags out of the reach of children.

There is a danger of suffocation.

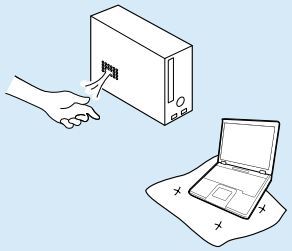


Keep a distance of 15cm or more between the computer and the wall and do not place any objects between them.

This may increase the internal temperature of the computer and may cause an injury.

Do not install the computer on a slant or a place prone to vibrations, or avoid using the computer in that location for a long time.

This increases the risk that a malfunction or damage to the product will occur.



Avoid exposing any part of your body to the heat from the computer vent or AC adapter for a long time when the computer is on.

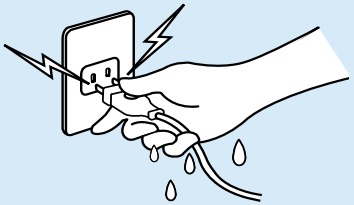
Exposing a part of your body close to the heat from the vent or AC adapter for long periods of time may cause a burn.

Avoid blocking the vent at the bottom or side of the computer when using it on a bed or cushion.

If the vent is blocked, there is a danger of damaging the computer or overheating the inside of the computer.

Power Related

The power plug and wall outlet figures may differ depending on the country specifications and the product model.

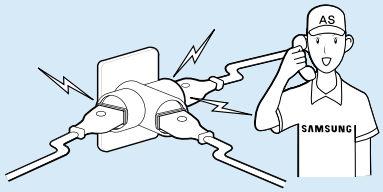


Do not touch the main plug or power cord with wet hands.

There is a danger of electric shock.

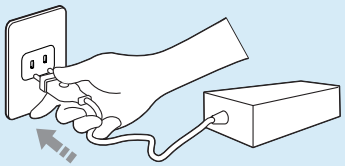
Do not exceed the standard capacity (voltage/current) of a multi-plug or power outlet extension when using it for the product.

There is a danger of electric shock or fire hazard.



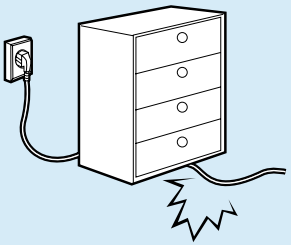
If the power cord or power outlet makes a noise, disconnect the power cord from the wall outlet and contact a service center.

There is a danger of electric shock or fire hazard.



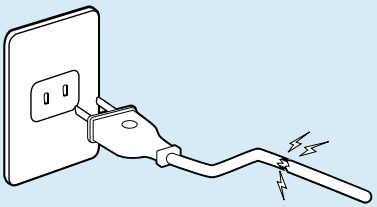
Plug the power cord firmly into the power outlet and AC adapter.

Failing to do so may cause fire hazard.



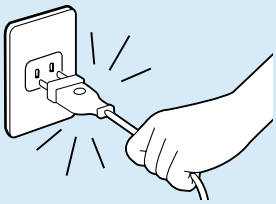
Do not bend the power cord excessively or do not place a heavy object over the power cord. It is especially important to keep the power cord out of reach of infants and pets.

If the cord is damaged, it may cause electric shock or fire.



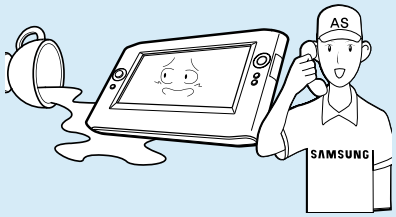
Do not use a damaged or loose main plug or power cord or power outlet.

There is a danger of electric shock or fire hazard.



Do not unplug the power cord out by pulling the cable only.

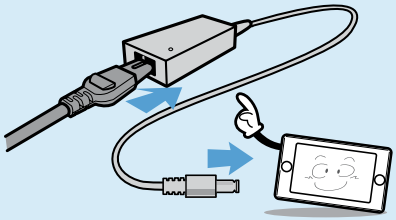
If the cord is damaged, it may cause electric shock.



If water or another substance enters the power input jack, AC adapter or the computer, disconnect the power cord and contact the service center.

Damage to the device within the computer may cause electric shock or fire hazard.

AC Adapter Usage Precautions

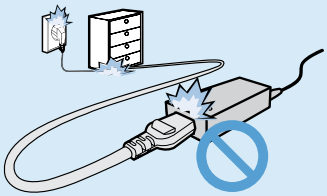


Do not place heavy objects or step onto the power cord or AC adapter to avoid damaging the power cord or AC adapter.

If the cord is damaged, there is a danger of electric shock or fire.

Use only the AC adapter supplied with the product.

Using another adapter may cause the screen to flicker.



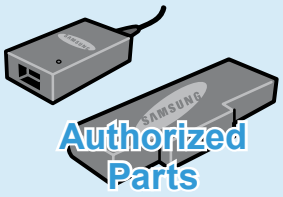
Connect the power cord to the AC adapter firmly.

Otherwise, there is a danger of fire due to an incomplete contact.

Battery Usage Related

Keep the battery out of the reach of infants and pets, as they could put the battery into their mouths.

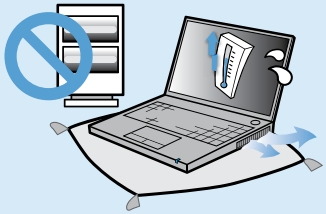
There is a danger of electric shock or choking.



Use an authorized battery and AC adapter only.

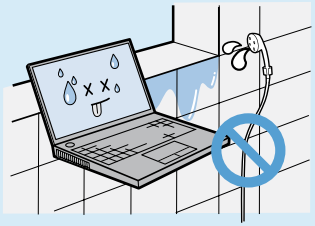
Please use an authorized battery and adapter approved by Samsung Electronics.

Unauthorized batteries and adapters may not meet the proper safety requirements and may cause problems or malfunctions and result in an explosion or fire.



Do not use the computer in a badly ventilated location such as on bedding, on a pillow or cushion, etc, and do not use it in a location such as room with floor heating as it may cause the computer to overheat.

Take care that the computer vents (on the side or the bottom) are not blocked especially in these environments. If the vents are blocked, the computer may overheat and it may cause a computer problem, or even explosion.

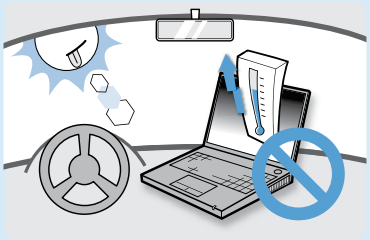


Do not use the computer in a humid location such as a bathroom or sauna.

Please use the computer within the recommended temperature and humidity range (10~35ºC, 20~80% RH).

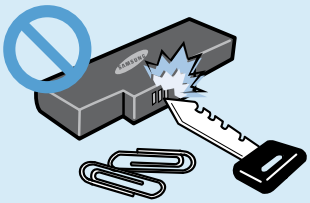
Do not close the LCD panel and put the computer into your bag to move it when it is still turned on.

If you put the computer into your bag without turning it off, the computer may overheat and there is a danger of fire. Shut the computer down properly before moving it.



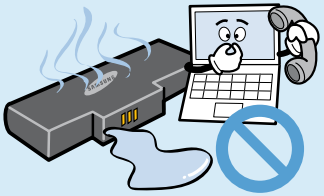
Never heat the battery or put the battery into a fire. Do not put or use the battery in a hot location such as a sauna, inside a vehicle exposed to the heat, and so on.

There is a danger of an explosion or fire.



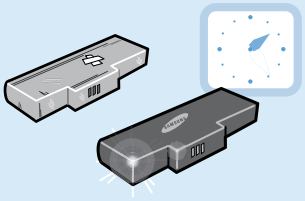
Take care not to allow metal objects such as a key or clip to touch the battery terminal (metal parts).

If a metal object touches the battery terminals, it may cause excessive current flow and it may damage the battery, or result in a fire.



If liquid leaks out of the battery or there is a funny smell coming from the battery, remove the battery from the computer and contact a service center.

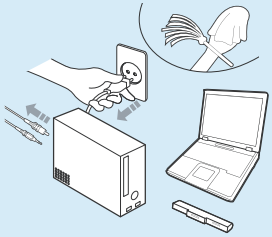
There is a danger of an explosion or fire.



To use the computer safely, replace a dead battery with a new, authorized battery.

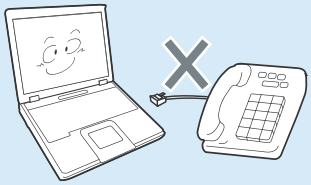
Please charge the battery fully before using the computer for the first time.

Usage Related



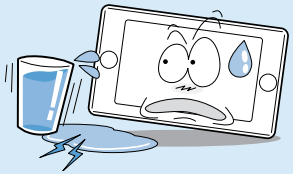
Disconnect all cables connected to the computer before cleaning it. If you are cleaning a notebook computer, remove the battery.

There is a danger of electric shock or damage to the product.



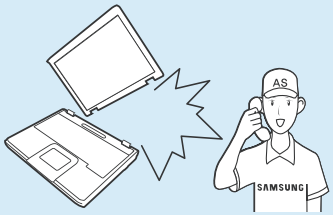
Do not connect a phone line connected to a digital phone to the modem.

There is a danger of a electric shock, fire or damage to the product.



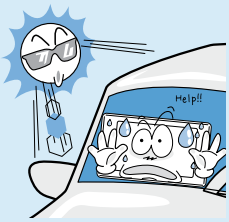
Do not place any container filled with water or chemicals over or near the computer.

If water or chemicals enter the computer, this may cause fire or electric shock.



If the computer is broken or dropped, disconnect the power cord and contact a service center for a safety check.

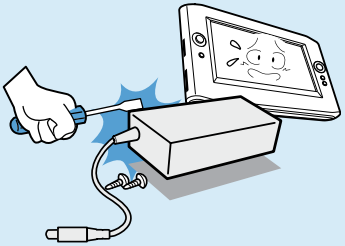
Using a broken computer may cause electric shock or fire hazard.



Avoid direct sunlight when the computer is in an air-tight location such as inside a vehicle.

There is a danger of a fire hazard. The computer may overheat and also present opportunity to thieves.

Upgrade Related

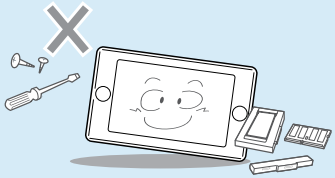


Never disassemble the power supply or AC adapter.

There is a danger of electric shock.

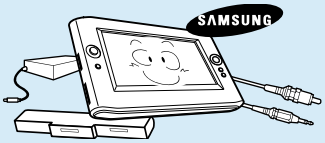
When removing the RTC (Real Time Clock) battery, keep it out of the reach of children as they could touch and/or swallow it.

There is a danger of choking. If a child has swallowed it, contact a doctor immediately.



Use only authorized parts (multi-plug, battery and memory) and never disassemble parts.

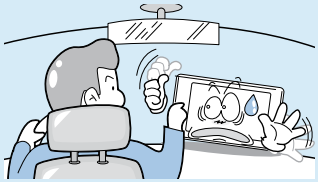
There is a danger of damaging the product, electric shock or fire hazard.



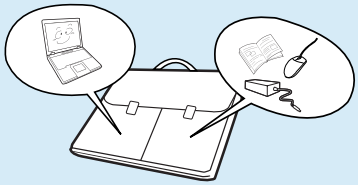
Shut down the computer and disconnect all cables before disassembling the computer. If there is a modem, disconnect the phone line. If you are disassembling a notebook computer, make sure to remove the battery.

Failing to do so, may cause electric shock.

Custody and Movement Related



Follow the instructions for the relevant location (e.g. airplane, hospital, etc.) when using a wireless communication device (wireless LAN, Bluetooth, etc.).



When carrying the notebook computer with other items, such as the adapter, mouse, books etc, take care not to press anything against the notebook computer.

If a heavy object is pressed against the notebook computer, a white spot or stain may appear on the LCD. Therefore, take care not to apply any pressure to the notebook.

In this case, place the notebook computer in a separate compartment away from the other objects.

Caution

Failing to follow instructions marked with this symbol may cause slight injury or damage to the product.

Installation Related

Do not block the ports (holes), vents, etc. of the product and do not insert objects.

Damage to a component within the computer may cause electric shock or fire.

When using the computer with it lying on its side, place it so that the vents face upwards.

Failing to do so, may cause the internal temperature of the computer to rise and the computer to malfunction or halt.

Do not place a heavy object over the product.

This may cause a problem with the computer. In addition, the object may fall and cause injury, or damage the computer.

Battery Usage Related

Dispose of worn-out batteries properly.

- There is a danger of fire or explosion.
- The battery disposal method may differ depending on your country and region. Dispose of the used battery in an appropriate way.

Do not throw or disassemble the battery and do not put it into water.

This may cause an injury, fire or explosion.

Use only a battery authorized by Samsung Electronics.

Failing to do so may cause an explosion.

Avoid contact with metal objects such as car keys or clips when keeping or carrying a battery.

Contact with a metal may cause excessive current and a high temperature and may damage the battery or cause a fire.

Charge the battery according to the instructions in the manual.

Failing to do so, may cause an explosion or fire from damage to the product.

Do not heat the battery or expose it to heat (e.g. inside a vehicle during the summer).

There is a danger of explosion or fire.

Usage Related

Do not place a candle, light cigar, etc. over or on the product.

There is a danger of fire.

Use a wall outlet or multi-plug with a grounding part.

Failing to do so may cause an electric shock hazard.

Make sure to have the product tested by a safety service engineer after repairing the product.

Authorized Samsung Repair Centers will carry out safety checks after a repair. Using a repaired product without testing it for safety may cause an electric shock or fire.

In case of lightning, immediately turn the system off, disconnect the power cord from the wall outlet and phone line from modem. Do not use a modem or phone.

There is a danger of electric shock or fire.

Do not use your computer and AC-Adapter on your lap or soft surfaces.

If the computer temperature increases, there is a danger of burning yourself.

Connect only permitted devices to the connectors or ports of the computer.

Failing to do so, may cause electric shock and fire.

Close the LCD panel only after checking if the notebook computer is turned off.

The temperature may rise and it may cause overheating and deformation of the product.

Do not press the Eject Button while the Floppy Disk/CD-ROM drive is in operation.

You might lose data and the disk might be suddenly ejected and could cause an injury.

Take care not to drop the product while using it.

This may cause personal injury or loss of data.

Do not touch the antenna with electricity facility such as the power outlet.

There is a danger of electric shock.

When handling computer parts, follow the instructions on the manual supplied with the parts.

Failing to do so, may cause damage to the product.

If the computer emits smoke, or there is a burning smell, disconnect the power plug from the wall outlet and contact a service center. If your computer is a notebook computer, make sure to remove the battery.

There is a danger of fire.

Do not use a damaged or modified CD/Floppy Disk.
There is a danger of damaging the product or personal injury.

Do not insert your fingers into the PC Card Slot.
There is a danger of injury or electric shock.

Use recommended computer cleansing solution when cleaning the product and only use the computer when it is completely dried.
Failing to do so may cause electric shock or fire.

Emergency disk eject method using paperclip should not be used while the disk is in motion. Make sure to use the emergency disk eject method only when the Optical Disk Drive is stopped.
There is a danger of injury.

Do not place your face close to the Optical Disk Drive tray when it is operating.
There is a danger of injury due to an abrupt ejection.

Check CDs for cracks and damage prior to use.
It may damage the disc and cause disorder of device and injury of user.

Upgrade Related

Take care when touching the product or parts.
The device may be damaged or you may be injured.

Take care not to throw or drop a computer part or device.
This may cause injury or damage to the product.

Make sure to close the computer cover before connecting the power after a reassembly.
There is a danger of electric shock if your body touches an internal part.

Use parts authorized by Samsung Electronics only.
Failing to do so, may cause fire or damage the product.

Never disassemble or repair the product by yourself.
There is a danger of electric shock or fire.

To connect a device that is not manufactured or authorized by Samsung Electronics, enquire at your service center before connecting the device.
There is a danger of damaging the product.

Custody and Movement Related

When moving the product, turn the power off and separate all connected cables first.
The product might be damaged or users may trip over the cables.

For long periods of not using the notebook computer, discharge the battery and preserve as it is detached.
The battery will be preserved at its best condition.

Keep the Stylus Pen out of reach of children.
hildren may injure themselves by swallowing it or damaging their eyes.

Use a computer cleansing solution when cleaning the product.
Using a cleansing solution or chemical that is not developed for a computer may damage the product.

Do not operate or watch the computer while driving a vehicle.
There is a danger of a traffic accident. Please concentrate on driving.

LCD Related

LCD Bad Pixels

The limits of LCD manufacturing technology permit a maximum of 4 abnormal or bad pixels, which does not affect the system performance. This system may have the same level of abnormal or bad pixels as any other company's products.

Cleaning the LCD

When cleaning the LCD panel, use only computer specific cleaners with a soft cloth, and lightly wipe in one direction.

Pressing down hard may damage the LCD.

Cautions on Preventing Data Loss (Hard Disk Management)

Take care not to damage the data on a hard disk drive.

- A hard disk drive is so sensitive to external impact that an external impact may cause loss of data on the surface of the disk.
- Take extra care, because moving the computer or an impact on the computer when it is turned on may damage the data of the hard disk drive.
- The company is not liable for any loss of any data caused by a customer's careless usage or bad environmental conditions.

Causes that may damage the data of a hard disk drive and the hard disk drive itself.

- The data may be lost when an external impact is applied to the disk while disassembling or assembling the computer.
- The data may be lost when the computer is turned off or reset by a power failure while the hard disk drive is operating.
- The data may be lost and irrecoverable due to a computer virus infection.
- The data may be lost if the power is turned off while running a program.
- Moving or causing an impact to the computer while the hard disk drive is operating, may cause files to be corrupted or bad sectors on the hard disk.

To prevent data loss due to damage to the hard disk drive, please backup your data frequently.

Proper Posture During Computer Use

Maintaining a proper posture during computer use is very important to prevent physical harm.

The following instructions are about maintaining a proper posture during computer use developed through human engineering. Please read and follow them carefully when using the computer.

Otherwise, the probability of (RSI: Repetitive Strain Injury) from repeated operations may increase and serious physical harm may be caused.

The instructions in this manual have been prepared so that they can be applied within the coverage of general users. If the user is not included in the coverage, the recommendation is to be applied according to the user's needs.

Since this is commonly applied to Samsung Computers, some figures may differ from actual product.

Proper Posture

- Do not use the computer on your lap or close to your skin for a long time.

  There is a danger of burns due to the high temperature of the computer.
- To use the computer while talking over the telephone, use the ear-microphone phone.

  When using the computer while holding a phone over your shoulder and talking on the phone, your posture becomes bad.
- Keep frequently used work items within an easy working range (where you can reach them with your hands easily).

Eye Position

Keep a distance of at least 50cm between the LCD and your eyes.

- Adjust the height of the LCD screen so that its top height is equal to or lower than your eyes.
- Avoid setting the LCD excessively bright.
- Keep the LCD screen clean.
- When wearing glasses, clean them before using the computer.

Hand Position

- It is recommended to connect and use an external keyboard and mouse when using the computer for a long time.
- Do not hold the Stylus Pen with excessive force.
- Do not press the touch screen with excessive force.

Volume Control (Headphones and Speakers)

Check your volume first to listen to music.

Check your volume!!

- Check if the volume is too loud before using headphones.
- Do not turn the volume to the maximum level right from the start. Instead, start the volume at a low level and increase it slowly while listening to the sound.
- It is not recommended using headphones for long periods of time.

Use Time (Break Time)

- Take a break for 10 minutes or more after a 50-minute period when working for more than one hour.

Illumination

- Do not use the computer in dark locations. The illumination level for computer use must be as bright so for reading a book.
- Indirect illumination is recommended. Use a curtain to prevent reflection on the LCD screen.

Operation Condition

- Do not use the computer in hot and humid locations.
- Use the computer within the allowed temperature and humidity range specified in the User Guide.

Safety Instructions

Your system is designed and tested to meet the latest standards for safety of information technology equipment. However, to ensure safe use of this product, it is important that the safety instructions marked on the product and in the documentation are followed.

Always follow these instructions to help guard against personal injury and damage to your system.

Setting Up your System

- Read and follow all instructions marked on the product and in the documentation before you operate your system. Retain all safety and operating instructions for future use.
- Do not use this product near water or a heat source such as a radiator.
- Set up the system on a stable work surface.
- The product should be operated only with the type of power source indicated on the rating label.
- Ensure that the electrical outlet you are using to power your equipment is easily accessible in case of fire or short circuit.
- If your computer has a voltage selector switch, make sure that the switch is in the proper position for your area.
- Openings in the computer case are provided for ventilation. Do not block or cover these openings. Make sure you provide adequate space, at least 6 inches (15 cm), around the system for ventilation when you set up your work area. Never insert objects of any kind into the computer ventilation openings.
- Ensure that the fan vents on the bottom of the casing are clear at all times. Do not place the computer on a soft surface, doing so will block the bottom vents.
- If you use an extension cord with this system, make sure that the total power rating on the products plugged into the extension cord does not exceed the extension cord power rating.

Care During Use

- Do not walk on the power cord or allow anything to rest on it.
- Do not spill anything on the system. The best way to avoid spills is to not eat or drink near your system.
- Some products have a replaceable CMOS battery on the system board. There is a danger of explosion if the CMOS battery is replaced incorrectly. Replace the battery with the same or equivalent type recommended by the manufacturer.
  Dispose of batteries according to the manufacturers instructions. If the CMOS battery requires replacement insure that a qualified technician performs the task.
- When the computer is turned off, a small amount of electrical current still flows through the computer.
  To avoid electrical shock, always unplug all power cables, remove the battery and modem cables from the wall outlets before cleaning the system.
- Unplug the system from the wall outlet and refer servicing to qualified personnel if:
  – The power cord or plug is damaged.
  – Liquid has been spilled into the system.
  – The system does not operate properly when the operating instructions are followed.
  – The system was dropped or the casing is damaged.
  – The system performance changes.

The Instruction On Safety Operation of NotePC

❶ When installing and operating devices please refer to safety requirements in the user guide.

❷ Devices can be used only with the equipment specified in the technical specifications of the devices.

❸ If any smell of burning or smoke from the computer the unit should be switched off and battery removed. The unit should be checked by a qualified technician before reuse.

❹ Service and repair of devices should be carried out by authorized service centers.

❺ Do not allow your portable computer to operate with the base resting directly on exposed skin for extended periods of time. The surface temperature of the base will rise during normal operation (particularly when AC Power is present). Allowing sustained contact with exposed skin can cause discomfort or eventually a burn.

Replacement Parts and Accessories

Use only replacement parts and accessories recommended by manufacturer.

Do not use this product in areas classified as hazardous. Such areas include patient care areas of medical and dental facilities, oxygen rich environments, or industrial areas.

Battery Disposal

Do not put rechargeable batteries or products powered by non-removable rechargeable batteries in the garbage.

Contact the Samsung Helpline for information on how to dispose of batteries that you cannot use or recharge any longer.
Follow all local regulations when disposing of old batteries.

THERE IS A RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

Connect and Disconnect the AC adapter

The socket-outlet shall be installed near the equipment and shall be easily accessible.
Do not unplug the power cord out by pulling the cable only.

Power Cord Requirements

The power cord set (wall plug, cable and AC adapter plug) you received with your computer meets the requirements for use in the country where you purchased your equipment.

Power cord sets for use in other countries must meet the requirements of the country where you use the computer. For more information on power cord set requirements, contact your authorized dealer, reseller, or service provider.

General Requirements

The requirements listed below are applicable to all countries:

- The length of the power cord set must be at least 6.00 feet (1.8m) and a maximum of 9.75 feet (3.0m).
- All power cord sets must be approved by an acceptable accredited agency responsible for evaluation in the country where the power cord set will be used.
- The power cord set must have a minimum current capacity of 7 A and a nominal voltage rating of 125 or 250 volts AC, as required by each country's power system.
- The appliance coupler must meet the mechanical configuration of an EN 60 320/IEC 320 Standard Sheet C7 connector, for mating with appliance inlet on the computer.

Wireless Guidance

Low power, Radio LAN type devices (radio frequency (RF) wireless communication devices), operating in the 2.4GHz/5GHz Band, may be present (embedded) in your notebook system. The following section is a general overview of considerations while operating a wireless device.

Additional limitations, cautions, and concerns for specific countries are listed in the specific country sections (or country group sections). The wireless devices in your system are only qualified for use in the countries identified by the Radio Approval Marks on the system rating label. If the country you will be using the wireless device in, is not listed, please contact your local Radio Approval agency for requirements. Wireless devices are closely regulated and use may not be allowed.

The RF field strength of the wireless device or devices that may be embedded in your notebook are well below all international RF exposure limits as known at this time. Because the wireless devices (which may be embedded into your notebook) emit less energy than is allowed in radio frequency safety standards and recommendations, manufacturer believes these devices are safe for use. Regardless of the power levels, care should be taken to minimize human contact during normal operation.

This transmitter must not be collocated or operate in conjunction with any other antenna or transmitter except the installed Bluetooth transmitter.

Some circumstances require restrictions on wireless devices. Examples of common restrictions are listed on the next page:

- Radio frequency wireless communication can interfere with equipment on commercial aircraft. Current aviation regulations require wireless devices to be turned off while traveling in an airplane.
  802.11ABGN (also known as wireless Ethernet or Wifi) and Bluetooth communication devices are examples of devices that provide wireless communication.
- In environments where the risk of interference to other devices or services is harmful or perceived as harmful, the option to use a wireless device may be restricted or eliminated. Airports, Hospitals, and Oxygen or flammable gas laden atmospheres are limited examples where use of wireless devices may be restricted or eliminated. When in environments where you are uncertain of the sanction to use wireless devices, ask the applicable authority for authorization prior to use or turning on the wireless device.
- Every country has different restrictions on the use of wireless devices. Since your system is equipped with a wireless device, when traveling between countries with your system, check with the local Radio Approval authorities prior to any move or trip for any restrictions on the use of a wireless device in the destination country.
- If your system came equipped with an internal embedded wireless device, do not operate the wireless device unless all covers and shields are in place and the system is fully assembled.
- Wireless devices are not user serviceable. Do not modify them in any way. Modification to a wireless device will void the authorization to use it. Please contact manufacturer for service.
- Only use drivers approved for the country in which the device will be used. See the manufacturer System Restoration Kit, or contact manufacturer Technical Support for additional information.

United States of America

USA and Canada Safety Requirements and Notices

Do not touch or move antenna while the unit is transmitting or receiving.

Do not hold any component containing the radio such that the antenna is very close or touching any exposed parts of the body, especially the face or eyes, while transmitting.

Do not operate the radio or attempt to transmit data unless the antenna is connected; if not, the radio may be damaged.

Use in specific environments:

The use of wireless devices in hazardous locations is limited by the constraints posed by the safety directors of such environments.

The use of wireless devices on airplanes is governed by the Federal Aviation Administration (FAA).

The use of wireless devices in hospitals is restricted to the limits set forth by each hospital.

Explosive Device Proximity Warning

Do not operate a portable transmitter (such as a wireless network device) near unshielded blasting caps or in an explosive environment unless the device has been modified to be qualified for such use.

Use On Aircraft Caution

Regulations of the FCC and FAA prohibit airborne operation of radio-frequency wireless devices because their signals could interfere with critical aircraft instruments.

Other Wireless Devices

Safety Notices for Other Devices in the Wireless Network: Refer to the documentation supplied with wireless Ethernet adapters or other devices in the wireless network.

The Part 15 radio device operates on a non-interference basis with other devices operating at this frequency. Any changes or modification to said product not expressly approved by Intel could void the user's authority to operate this device.

Unintentional Emitter per FCC Part 15

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generate uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions may cause harmful interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet helpful: “Something About Interference.”

This is available at FCC local regional offices. Our company is not responsible for any radio or television interference caused by unauthorized modifications of this equipment or the substitution or attachment of connecting cables and equipment other than those specified by our company. The correction will be the responsibility of the user. Use only shielded data cables with this system.

Intentional emitter per FCC Part 15

Low power, Radio LAN type devices (radio frequency (RF) wireless communication devices), operating in the 2.4GHz Band, may be present (embedded) in your notebook system. This section is only applicable if these devices are present. Refer to the system label to verify the presence of wireless devices.

Wireless devices that may be in your system are only qualified for use in the United States of America if an FCC ID number is on the system label.

Operation of this device is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation of the device.

Wireless devices are not user serviceable. Do not modify them in any way.

Modification to a wireless device will void the authorization to use it. Contact manufacturer for service.

FCC Part 68 (If fitted with a modem device.)

This equipment compiles with part of the FCC rules. On the back of this equipment is a label that contains, among other information, the FCC registration number and ringer equivalence number (REN) for this equipment. If requested, this information must be provided to the telephone company.

This equipment uses the following USOC jacks : RJ11C

An FCC compliant telephone cord and modular plug is provided with this equipment. This equipment is designed to be connected to the telephone network or promises wiring using a compatible modular jack which is Part 68 compliant. See Installation Instructions for details.

The REN is used to determine the quantity of devices which may be connected to telephone line. Excessive RENs on the telephone line may result in the devices not ringing in response to an incoming call. In most, but not all areas, the sum of RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by total RENs, contact the local telephone company to determine the maximum REN for the calling area.

If the terminal equipment causes harm to the telephone network, the Telephone Company will notify you in advance that temporary discontinuance of service may be required. But if advance notice is not practical, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.

The telephone company may make changes in its facilities, equipment, operations, or procedures that could affect the operation of the equipment. If this happens, the telephone company will provide advanced notice in order for you to make necessary modifications to maintain uninterrupted service.

If trouble is experienced with this equipment (Modem) for repair or warranty information, please contact your local distributor. If the equipment is causing harm to the telephone network, the telephone company may request that you disconnect the equipment until the problem is resolved.

The user must use the accessories and cables supplied by the manufacturer to get optimum performance from the product.

No repairs may be done by the customer.

This equipment cannot be used on public coin phone service provided by the telephone company. Connection to party line service is subject to state tariffs.

The Telephone Consumer Protection Act of 1991 makes it unlawful for any person to use a computer or other electronic device, including fax machines, to send any message unless such message clearly contains in a margin at the top or bottom of each transmitted page or on the first page of the transmission, the date and time it is sent and an identification of the business or other entity, or other individual sending the message and the telephone number of the sending machine or such business, other entity, or individual. (The telephone number provided may not be any number for which charges exceed local or long-distance transmission charges.)

In order to program this information into your fax machine, refer to your communications software user manual.

European Union

European Union CE Marking and Compliance Notices

Products intended for sale within the European Union are marked with the Conformité Européene (CE) Marking, which indicates compliance with the applicable Directives and European standards and amendments identified below. This equipment also carries the Class 2 identifier.

The following information is only applicable to systems labeled with the CE mark CE.

European Directives

This Information Technology Equipment has been tested and found to comply with the following European directives:

- **EMC Directive 89/336/EEC with amending directives 92/31/EEC & 93/68/EEC as per**
  - EN 55022 Class B
  - EN 61000-3-2
  - EN 61000-3-3
  - EN 55024
- **Low Voltage Directive (Safety) 73/23/EEC as per EN 60950-1:2001+A11**
- **Radio and Telecom Terminal Equipment Directive 1999/5/EC as per**
  - CTR21 (if fitted with a modem device)
  - EN 300 328 (if fitted with a 2.4 GHz band embedded wireless device)
  - EN 301 489-1 (if fitted with a 2.4 GHz band embedded wireless device)
  - EN 301 489-17 (if fitted with a 2.4 GHz band embedded wireless device)
  - EN 301 893 (if fitted with a 5 GHz band embedded wireless device)

European Radio Approval Information (for products fitted with EU-approved radio devices)

This Product is a Notebook computer; low power, Radio LAN type devices (radio frequency (RF) wireless communication devices), operating in the 2.4GHz/5GHz band, may be present (embedded) in your notebook system which is intended for home or office use. This section is only applicable if these devices are present. Refer to the system label to verify the presence of wireless devices.

Wireless devices that may be in your system are only qualified for use in the European Union or associated areas if a CE mark CE with a Notified Body Registration Number and the Alert Symbol is on the system label.

The power output of the wireless device or devices that may be embedded in you notebook is well below the RF exposure limits as set by the European Commission through the R&TTE directive.

The low band 5.15 - 5.35 GHz is for indoor use only.

> See 802.11b and 802.11g restrictions for specific countries or regions within countries under the heading “European Economic Area Restrictions” below.

Translated Statements of Compliance

[English]

This product follows the provisions of the European Directive 1999/5/EC.

[Danish]

Dette produkt er i overensstemmelse med det europæiske direktiv 1999/5/EC

[Dutch]

Dit product is in navolging van de bepalingen van Europees Directief 1999/5/EC.

[Finnish]

Tämä tuote noudattaa EU-direktiivin 1999/5/EC määräyksiä.

[French]

Ce produit est conforme aux exigences de la Directive Européenne 1999/5/EC.

[German]

Dieses Produkt entspricht den Bestimmungen der Europäischen Richtlinie 1999/5/EC

[Greek]

Το προϊόν αυτό πληροί τις προβλέψεις της Ευρωπαϊκής Οδηγίας 1999/5/EC.

[Icelandic]

Þessi vara stenst reglugerð Evrópska Efnahags Bandalagsins númer 1999/5/EC

[Italian]

Questo prodotto è conforme alla Direttiva Europea 1999/5/EC.

[Norwegian]

Dette produktet er i henhold til bestemmelsene i det europeiske direktivet 1999/5/EC.

[Portuguese]

Este produto cumpre com as normas da Diretiva Européia 1999/5/EC.

[Spanish]

Este producto cumple con las normas del Directivo Europeo 1999/5/EC.

[Swedish]

Denna produkt har tillverkats i enlighet med EG-direktiv 1999/5/EC.

European Economic Area Restrictions

Local Restriction of 802.11b/802.11g Radio Usage

[Note to integrator: The following statements on local restrictions must be published in all end-user documentation provided with the system or product incorporating the wireless product.]

Due to the fact that the frequencies used by 802.11b/802.11g wireless LAN devices may not yet be harmonized in all countries, 802.11b/802.11g products are designed for use only in specific countries or regions, and are not allowed to be operated in countries or regions other than those of designated use.

As a user of these products, you are responsible for ensuring that the products are used only in the countries or regions for which they were intended and for verifying that they are configured with the correct selection of frequency and channel for the country or region of use. Any deviation from permissible settings and restrictions in the country or region of use could be an infringement of local law and may be punished as such.

The European variant is intended for use throughout the European Economic Area. However, authorization for use is further restricted in particular countries or regions within countries, as follows:

General

European standards dictate maximum radiated transmit power of 100 mW effective isotropic radiated power (EIRP) and the frequency range 2400 – 2483.5 MHz.

The low band 5.15 - 5.35 GHz is for indoor use only.

Belgium

The product may be used outdoors, but for outdoor transmissions over a distance of 300m or more, a license from the BIPT is required.

This restriction should be indicated in the manual as follows:

Dans le cas d'une utilisation privée, à l'extérieur d'un bâtiment, au-dessus d'un espace public, aucun enregistrement n'est nécessaire pour une distance de moins de 300m. Pour une distance supérieure à 300m un enregistrement auprès de l'IBPT est requise. Pour une utilisation publique à l'extérieur de bâtiments, une licence de l'IBPT est requise. Pour les enregistrements et licences, veuillez contacter l'IBPT.

France

For Metropolitan departments:

2.400 - 2.4835 GHz for indoor use.

2.400 - 2.454 GHz (channels 1 to 7) for outdoor use.

For Guadeloupe, Martinique, St Pierre et Miquelon, Mayotte:

2.400 - 2.4835 GHz for indoor and outdoor use.

For Reunion, Guyane:

2.400 - 2.4835 GHz for indoor use.

2.420 - 2.4835 GHz for outdoor use (channels 5 to 13)

The low band 5.15 - 5.35 GHz is for indoor use only.

European Telecommunication Information (for products fitted with EU-approved modems)

Marking by the symbol CE indicates compliance of this equipment to the Radio and Telecom Terminal Equipment Directive 1999/5/EC. Such marking is indicative that this equipment meets or exceeds the following technical standards:

CTR 21 - Attachment requirements for pan-European approval for connection to the analogue Public Switched Telephone Networks (PSTNs) of TE (excluding TE supporting voice telephony services) in which network addressing, if provided, is by means of Dual Tone Multi-Frequency (DTMF) signaling.

Although this equipment can use either loop disconnect (pulse) or DTMF (tone) signaling, only the performance of the DTMF signaling is subject to regulatory requirements for correct operation.

It is therefore strongly recommended that the equipment is set to use DTMF signaling for access to public or private emergency services. DTMF signaling also provides faster call setup.

This equipment has been approved to Council Decision 98/482/EEC - “CTR 21” for Pan-European single terminal connection to the Public Switched Telephone Network (PSTN).

However, due to differences between the individual PSTNs provided in different countries, the approval does not, of itself, give an unconditional assurance of successful operation on every PSTN termination point. In the event of problems, you should contact manufacturer Technical Support.

WEEE SYMBOL INFORMATION

Correct Disposal of This Product (Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with separate collection systems)

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

Pb

Correct disposal of batteries in this product

(Applicable in the European Union and other European countries with separate battery return systems.)

This marking on the battery, manual or packaging indicates that the batteries in this product should not be disposed of with other household waste at the end of their working life. Where marked, the chemical symbols Hg, Cd or Pb indicate that the battery contains mercury, cadmium or lead above the reference levels in EC Directive 2006/66. If batteries are not properly disposed of, these substances can cause harm to human health or the environment.

To protect natural resources and to promote material reuse, please separate batteries from other types of waste and recycle them through your local, free battery return system.

USA ONLY

This Perchlorate warning applies only to primary CR (Maganese Dioxide) Lithium coin cells in the product sold or distributed ONLY in California USA.

“Perchlorate Material- special handling may apply, See www.dtsc.ca.gov/hazardouswaste/perchlorate.”

Contains Mercury, Dispose According to Local, State or Federal Laws.

For details see lamprecycle.org, eise.org, or call 1-800-Samsung.

Overview

- Optional items may be changed or may not be provided depending on the computer model.
- The actual color and appearance of the computer may differ from the pictures used in this guide.

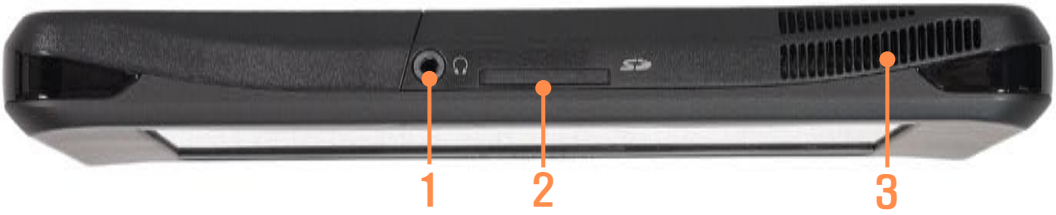
Front View

1	**Microphone**	The microphone is used to make a sound recording.
2	**Status Indicators**	Shows the computer operating status. 48
3	**Speaker**	Generates sound from the computer.
4	**LCD**	Displays the computer screen.

Status Indicators

1	**HDD**	This is lit when the hard disk drive is accessed.
2	**Wireless LAN**	This is lit for models with wireless LAN capability when the Wireless LAN function is in operation. 111
3	**Charge**	This shows the AC adapter and battery status. **Green**: When the battery is completely charged or is not installed. **Amber**: When the battery is being charged. **Blink**: When the **HOLD** switch is lifted up or a button is pressed in the **HOLD** (Lock) status. **Off**: When the computer is running on battery power without an AC power supply.
4	**Power**	This shows the computer's operating status. **On**: When the computer is turned on. **Blink**: When the computer is in Sleep mode. To wake the computer up from Sleep mode, slide the **Power Switch** downwards.

Top View

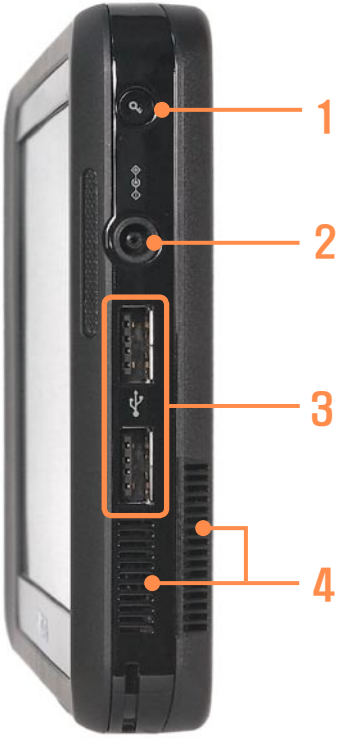


1	**Headphone Jack**	You can connect headphones using this jack.
2	**Multi-Card Slot**	A card slot that supports SD Card, SDHC and MMC. 65
3	**Vents**	Emits heat generated inside the computer. Avoid blocking the vents as this may overheat the computer.

Bottom View

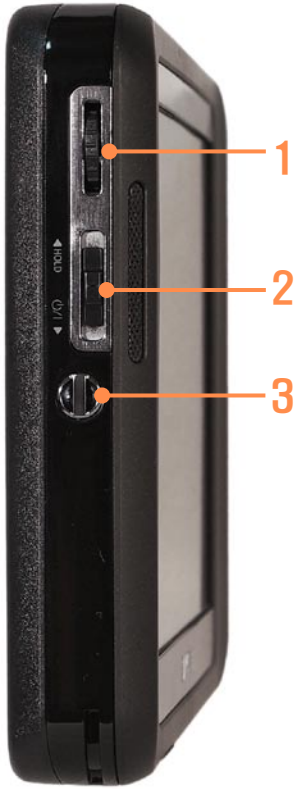
1	**Organizer Port**	When connecting the computer and the **Organizer** (optional), connect through the organizer connector of the Organizer to anchor the computer.

Right View



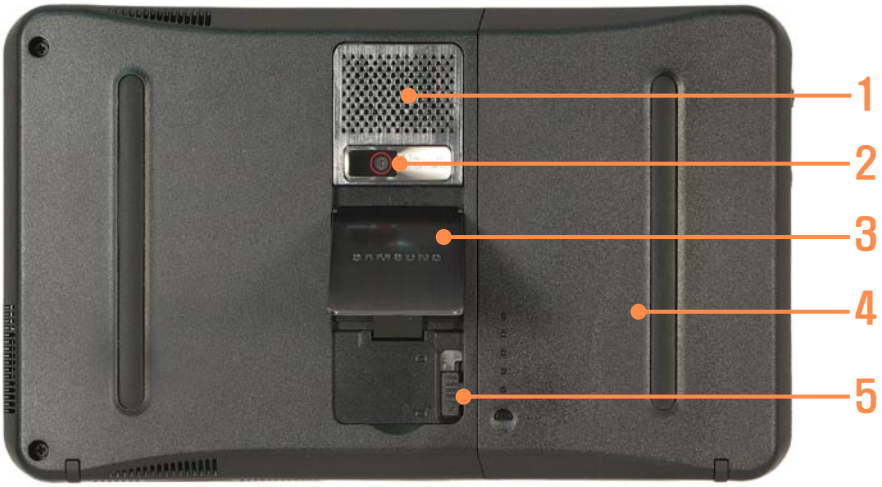
1	**Windows Security Button**	Pressing this button is the same as pressing the <Ctrl>+<Alt>+<Del> keys on the keyboard.
2	**Power IN Jack**	The AC adapter which supplies power for the computer is connected here.
3	**USB Port**	You can connect USB devices such as a USB keyboard/mouse, USB ODD, etc. using this port.
4	**Vents**	Emits heat generated inside the computer. Avoid blocking the vents as this may overheat the computer.

Left View



1	**Wheel Button**	Press the **Wheel button** to run the **MENU** program. Turn the **Wheel button** up or down to select the menu.
2	**Power Switch / HOLD Switch**	❶ **Power Switch Function** Slide the **switch** downwards to turn the computer on. ❷ **HOLD Switch (Lock) Function** If you slide the **switch** upwards to the end (HOLD position), the Lock icon appears and the computer is Locked and you will not be able to use any function. Slide the **switch** to the mid position to release the lock. Then you can use the computer normally.
3	**Hand Strap Hole**	You can attach a hand strap using this hole.

Back View



1	**Vents**	Emits heat generated inside the computer. Avoid blocking the vents as this may overheat the computer.
2	**Camera Lens (Optional)**	Using this lens, you can take still pictures and record video. 125
3	**Stand**	Using the stand, you can use the screen at a comfortable angle.
4	**Battery**	A lithium-Ion rechargeable battery that supplies power for the computer. 147
5	**Battery Latch**	The battery latch is used to separate or fix the battery. 147

Turning the Computer On and Off

Turning the computer on

1 Install the **battery** and connect the **AC adapter**.
(Refer to the **Getting Started Guide**.)

2 Adjust the **stand** at the back of the computer to a comfortable angle.

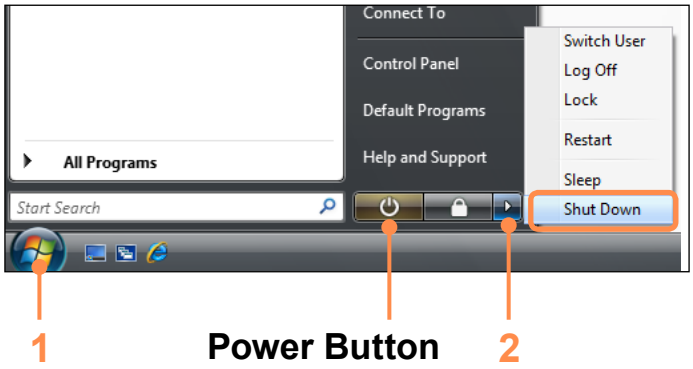
3 Slide the **Power Switch** downwards.
The computer is turned on.

- If you slide the **Power Switch** downwards when the computer is on, the computer enters Sleep mode.
  In Sleep mode, the Power LED blinks. If you slide the power switch downwards again, the computer wakes up from Sleep mode.
  If you have changed the power options of the **Power button** to **Shutdown** in the Control Panel, sliding the **Power Switch** downwards will shutdown the computer. 100
- When running the computer on battery power, the LCD brightness is dimmed automatically to save battery power.
  Press the **Wheel button** to run the **MENU** program and press the , of the **Brightness** to adjust the LCD brightness.

Turning the computer off

1 Click the **Start** button on the taskbar.

2 Click the and click on **Shut down.** The computer will shut down.



- If the computer does not shutdown due to a system error, slide the power switch down and hold it for more than 4 seconds to forcefully turn it off.
- When turning the computer on again after it was turned off by sliding the power switch down and holding it, the system examination program may run.
- When booting the computer after a forced shutdown, the Windows error recovery screen may appear over a black background. In this case, select a booting mode by turning the Wheel button and then press and hold the Wheel button for 2 seconds or more to boot the system up in the selected mode.

Before Using the Power Button

Since the Power Icon is set to power saving mode, selecting **Start > Power Button** , will cause the computer to enter **Sleep mode.**

To shut down the computer by clicking this icon, refer to the descriptions for Setting up Start menu power button of the Control Panel. 100

Chapter 2.
Using the computer

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Organizer (Optional) 68
Connecting a monitor / TV (Optional) 75
Adjusting the Volume 79

Stylus Pen

A Stylus Pen is used instead of a mouse and provides the same function.

- It is recommended to connect and use a USB keyboard and mouse when using the computer for a long time.
- When you finish using the stylus pen, keep it to the Stylus pen holder of the hand strap or the Organizer (optional).

Operate the touch screen LCD with a **Stylus Pen** or your **finger**. Sharp objects may scratch or damage the LCD surface.

Learning Tablet PC Operations

Click **Start > All Programs > Tablet PC** to learn how to operate a Tablet PC using a Stylus Pen. 84

Stylus Pen Functions

Mouse	Using the Stylus Pen		Function
Single-click	**Single-tap**		Single-tap with the pen to select an item.
Double-click	**Double-tap**		Double-tap with the pen to run an item.

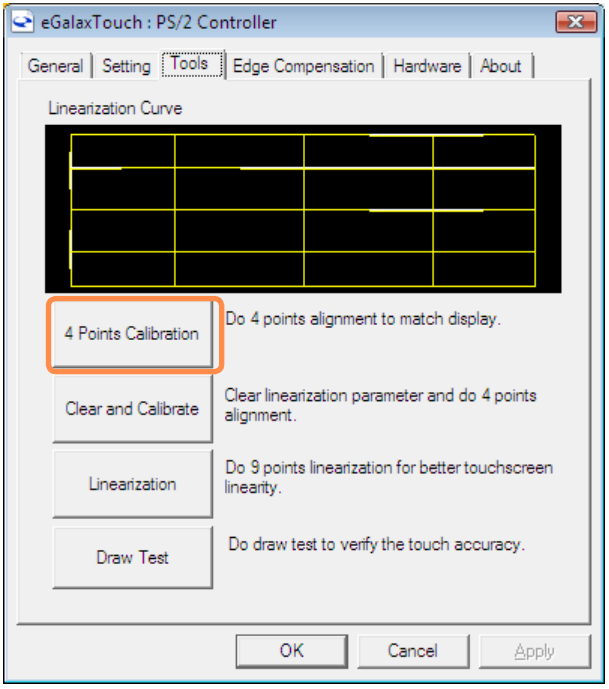
Right-click	**Press and Hold**	 **Screen Mouse**	● **Method 1.** If you press and hold the pen over a point of the screen, a circle is drawn around the pointer. If you remove the pen when the circle is completely drawn, the pop-up menu appears. ● **Method 2.** In addition, if you press on the screen with the Pen, the Screen Mouse appears for a moment. If you click the right button of the Screen Mouse, it performs the role of the right button of an external-type mouse.
Drag	**Drag**		Tap an item and drag it with the pen to move the item.

Calibrating the Screen

When using the Stylus Pen for the first time or the pointing position of the Stylus Pen is incorrect, you can correct the pointing position using the **eGalaxTouch** program.

1 Select **Start > All Programs > eGalaxTouch > Configure Utility**.

2 In the **Tools** tab, select **4 Points Calibration**.



Enhancing the Accuracy

If greater precision is required, you can correct the pointing position by using **9-Points** or **25-Points** Calibration.

1. In the **Linearization Style** item in the **Settings** tab, select **9-Points** or **25-Points** and then press the **Apply** button.
2. Select **Linearization** from the **Tools** tab. The higher the number, the more precise the correction.

3 Press and hold the ⊕ **-symbol** displayed on the screen until the **OK** appears. The ⊕ **-symbol** appears repeatedly according to the selected number of points.

4 If the **Calibration Result** window appears, click the **OK** button.

The pointing position of the Stylus Pen is corrected.

Entering Text

You can enter characters using the Tablet PC Input Panel.

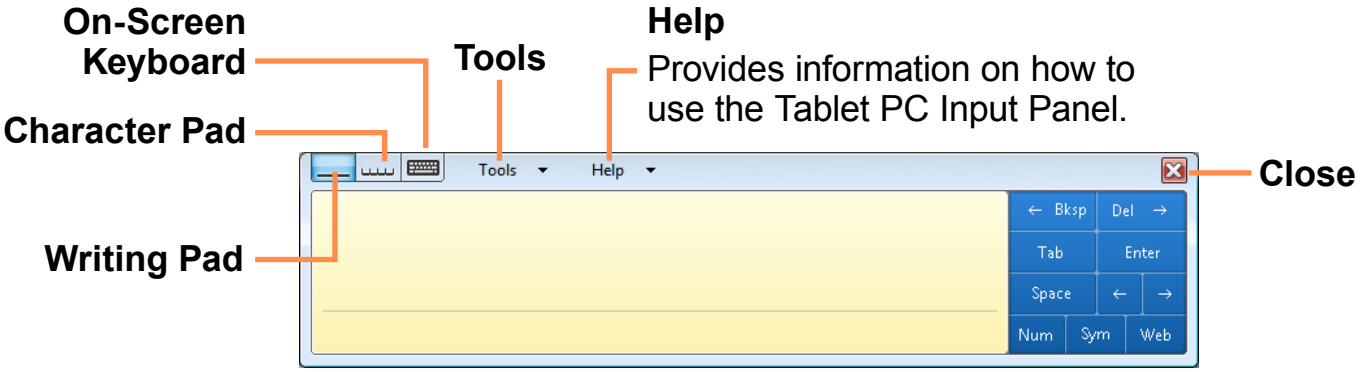
- For long periods of use, use a USB keyboard for your convenience.
- For example, the procedures to enter text in the Notepad will be described below.

Using the Tablet PC Input Panel

The Tablet PC Input Panel is an on-screen letter input pad provided by Windows. Using it, you can enter letters with the Stylus Pen.
You can enter letters using the **Tablet PC Input Panel** in 3 ways.

1. Tap **Start > All Programs > Accessories > Notepad**. Notepad is launched.
2. If you tap over the Notepad with the Stylus Pen, < > appears with the cursor.
3. If you tap < > with the Stylus Pen, the Tablet PC Input Panel appears.

This function may not be supported depending on the languages.
Alternatively, press the **Tablet PC Input Panel** hidden at the left end of the Desktop to display the Tablet PC Input Panel.

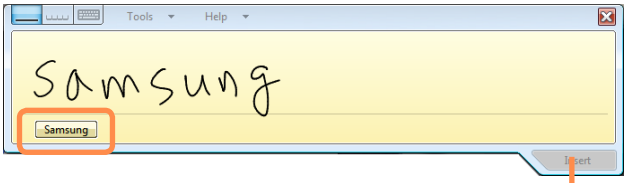


Entering text using the Writing Pad

You can enter characters by writing characters on the Stylus Pen Writing Pad directly.

1 In the **Tablet PC Input Panel**, tap the **Writing Pad** icon ( ).

2 Write text in the input area of the Writing Pad with the Stylus Pen and wait a moment. The written letters are converted into the corresponding computer characters.



Insert

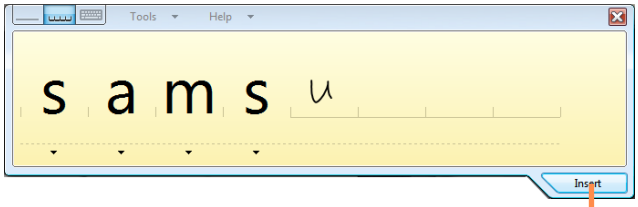
3 Tap the **Insert** button to enter the converted letters.

Entering text using the Character Pad

You can write a letter in each cell of the Character Pad with the Stylus Pen.

1 In the **Tablet PC Input Panel**, tap the **Character Pad** icon ( ).

2 Write a letter in the cell of the Character Pad with the Stylus Pen and wait a moment. The written letter is converted into the corresponding computer character.

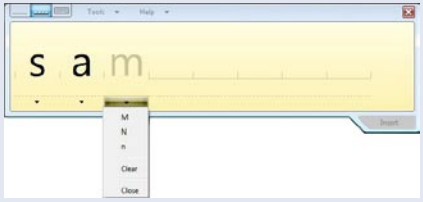


Insert

Tap the **Insert** button to enter a converted letter.

Modifying Text

To modify a wrong character, write over the character or tap below the character and select another character.



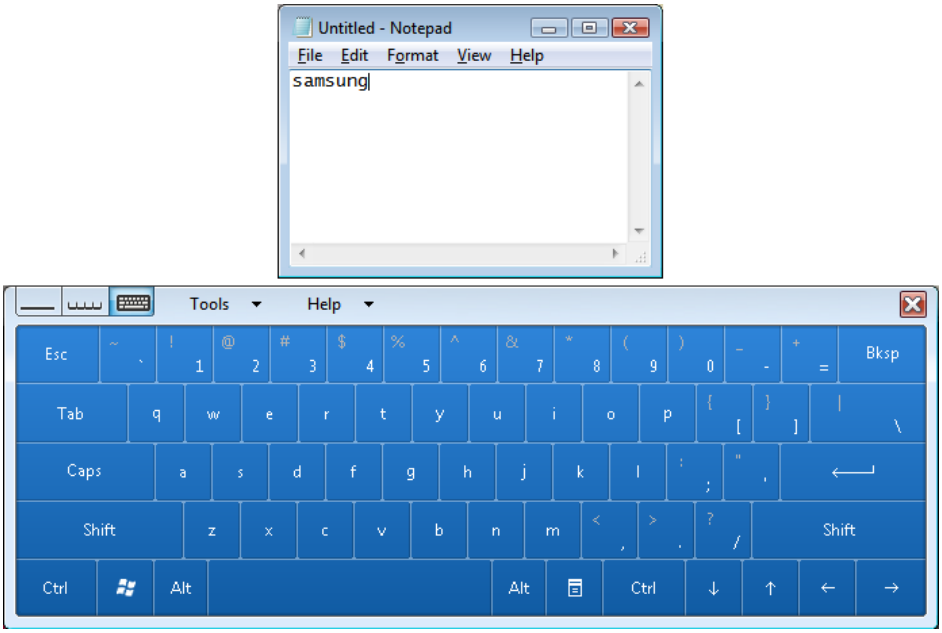
In the Writing Pad, you can replace a word with another or modify a character by clicking on it.

Entering text using the On-Screen Keyboard

The On-Screen Keyboard displays a standard keyboard on the screen so that you can enter a letter by pressing the corresponding key on the screen.

1 In the **Tablet PC Input Panel**, tap the **On-Screen Keyboard** icon ( ).

2 Tap a character key with the Stylus Pen to enter the character.



Using the Buttons

The function of the **Wheel button** is described below.

The Wheel Button

When the **Wheel** button is pressed, the **MENU program** appears.

The MENU Program provides shortcuts to frequently used functions on the computer. You can easily change the settings.

Press **EXIT** or press a point on the screen to hide the MENU Program.

The screen that appears at this time may differ depending on the installed Windows operating system.

MENU Items		Function
Battery		Shows the remaining battery charge.
Brightness		Whenever you press this button, the LCD brightness is increased(decreased) by one step.
Volume		Whenever you press this button, the volume is increased (decreased) by one step.
Sound		Press this item to turn the volume on or off.
Backlit		If you press Off, the LCD screen is turned off. To turn it on again, press the **Wheel button** or touch the screen lightly.
Etiquette Mode		Turns Etiquette mode on or off. Use Etiquette mode when you need a quiet working environment. ● Since Etiquette Mode makes the CPU run at its slowest, the program operating speed may slow down and the computer may overheat due to the slow fan speed. ● If you don't want fan noise turning ON and OFF in the Etiquette Mode, select the **Advanced** menu > **Fan Silent Mode** > **Low** in the BIOS Setup. The fan keeps turning ON and works in Low noise mode.

MENU Items		Function
Wireless LAN		Press this item to turn the Wireless LAN on or off.
Rotation		Whenever you press the button, the preview screen A rotates clockwise or counterclockwise by 90 degrees. When the preview screen rotates at the required angle, press the **wheel button** or to set the rotation. When rotating the screen, a part of the screen image may not be displayed in some software programs.
LCD / CRT		Using this item, you can view the screen when an external display device is connected after connecting the **Organizer**. Whenever you press the button, the computer screen is output to **LCD > CRT > Clone View > Dual View** mode, in this sequence. When a mode is selected, configure the mode by pressing the **wheel button** or . The **LCD/ CRT button** is activated when the **Organizer** is connected with an external display device.

Multi Card Slot

Using the multi card slot, you can read and write data to a SD card, SDHC card, MMC. You can use a card as a removable disk and conveniently exchange data with digital devices such as a digital camera, digital camcorder, MP3, etc.

- You have to additionally purchase a multi card with the necessary capacity depending on your requirements.
- You can use a multi card just like any data storage device. A copyright protection function is not supported.
- Since you can lose a card when moving the computer, keep the card separately.

Supported Cards

SD Card

SDHC Card

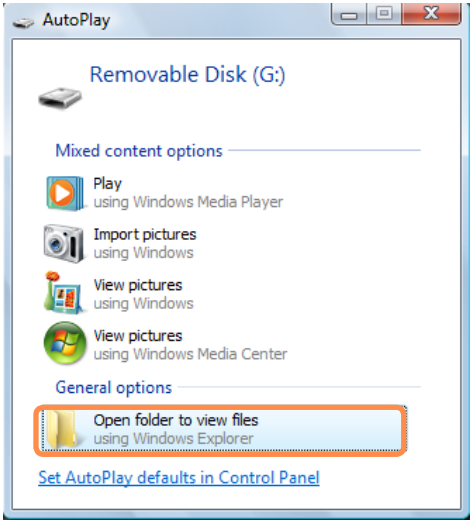
MMC

Using a Memory Card

1 Insert the memory card into the multi card slot according to the direction printed on the slot.

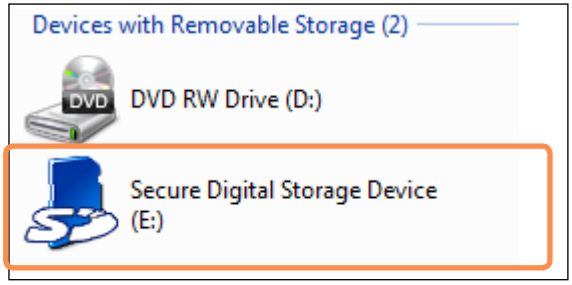
2 The card drive appears. Click **Open folder to view files**.

If the window does not appear, click **Start > Computer**.



If a window appears asking if you want to scan and change, click the **Continue without scan** option. You can proceed to Step 2.

3 Double-click the corresponding drive to save, move or delete data.



The device name of the card drive may differ depending on your computer model.

Since you can only use the card after formatting it, if it is not formatted, format the card referring to the descriptions of "**Formatting a Card**". 67

Using a Mini SD snd RS-MMC

Since the above cards are too small, you cannot insert the cards into the slot directly.

Insert the card into the dedicated adapter (available from most electronic retailers) and then insert the adapter into the multi card slot.

However, depending on the adapter's body material, some RS-MMC cards may not be recognized properly. Samsung recommend that you check the card is recognized correctly prior to purchasing.

Removing a Card

1 Push the end of the card slightly.

2 The card clicks and pops out.

Remove the card from the slot.

Formatting a Card

When using the memory card for the first time, you must format the card before using it.

Formatting a card deletes all data saved on the card. If the card includes data, backup the data before formatting it.

1 Select **Start > Computer**.

2 Right-click over the card drive and select **Format** from the pop-up menu.

3 If you click **Start**, formatting will begin.

- To use a card to exchange data with a digital device such as a digital camera, formatting the data using the digital device is recommended.
- When you try to use a card, which is formatted in the computer, in another digital device, you may have to format the card again in the device.
- You cannot format, write or delete data from a SD, or SDHC card with a write protection tab when it is in the Lock position.
- Inserting and removing a memory card repeatedly may damage the memory card.

Organizer (Optional)

The **Organizer** is a portable device that can be connected to a computer and you can carry conveniently. The **Organizer** provides a keyboard and docking device for your convenient use.

- You can only use the **Organizer** with some specified computers with the Organizer port, from among Samsung UMPC computers.
- When moving the Organizer, take care not to disconnect the connected computer.

- The **Organizer** is optional. It may be provided for some models only or may have to be purchased additionally.
- The actual color and appearance of the organizer and the computer may differ from the picture.

Front View

❶ **Docking Device**	Using this device you connect a computer and an organizer.
❷ **Computer Separation Latch**	Using this latch, you can separate the computer from an organizer. To separate the computer, slide the latch to the left position and pull out the computer.
❸ **Touchpad**	Performs the role of a mouse.
❹ **Left Touchpad Button**	Performs the role of the left mouse button.
❺ **Status Indicators**	Shows the operating status of the computer. This turns on when the Num Lock key is pressed and numeric keypad is activated. This turns on when the Caps Lock key is pressed allowing capital letters to be typed without holding the Shift button down. This turns on when the Scroll Lock key is pressed and screen scroll is locked.
❻ **LCD Protection Cover**	Protects the LCD panel when the organizer is closed after connecting the computer to the organizer. When using an organizer, you can use the LCD protection cover as a wrist pad by separating the cover and fixing it with the magnet.
❼ **Right Touchpad Button**	Performs the role of the right mouse button.
❽ **Wired Keyboard**	A device that enables entering information by pressing the keys.
❾ **Organizer Connector**	Connect and fix it to the organizer port at the bottom of the computer.
❿ **Stylus Pen Holder**	You can keep the stylus pen in the Stylus Pen Holder.

Right View / Left View

[Right View]

❶ Monitor Port

[Left View]

❷ Wired LAN Port

❶ **Monitor Port**	A port used to connect a monitor, TV or projector supporting a 15pin D-SUB interface. For detailed usage, refer to **Connecting a monitor/ TV**. 75
❷ **Wired LAN Port**	Connect the Ethernet cable to this port. For detailed usage, refer to **Wired Network**. 108

Back View

❶ Stand

❷ High Capacity Battery Extension Compartment

❶ **Stand**	You can place the screen on the stand for more comfortable viewing.
❷ **High Capacity Battery Extension Compartment**	You can expand the space by expanding this part when using a computer with a high capacity battery.

Installing / Removing the Computer

- Make sure to remove all the cables connected to the computer before installing the organizer.
- Although you can install onto or remove the computer from the Organizer regardless of whether the computer is turned on or off, doing this when the computer is turned off is recommended.

Installing the Computer

1 Place the computer over the Organizer aligning the bottom of the computer to the docking device of the Organizer and then press the computer down until it clicks to fix it.

2 Adjust the stand at the back of the Organizer to a comfortable angle and use it.

Removing the Computer

1 Shutdown the computer.

2 Slide and hold the Computer Separation Latch at the bottom left of the Organizer docking device into the left position and lift the computer up to separate it.

Using the Keyboard

The **Organizer** is equipped with a wired keyboard. You can conveniently use various functions using the shortcut keys of the keyboard.

- The keyboard is supplied according to the corresponding country.
- The keyboard image and color may differ from the actual keyboard.

Shortcut Keys

You can use the following functions by pressing the keys below with the **Fn** key.

Fn+	Name	Function
Esc	**REST (Sleep Mode)**	Switches to Sleep mode. To wake the computer up, slide the **Power Switch** downwards.
F2	**Gauge**	Shows the remaining battery charge. You can only use this function when the Easy Display Manager program is installed.
F3	**Euro**	Enters the Euro monetary unit symbol. This key may not be provided depending on the keyboard type.
F4	**CRT/LCD**	Switches the screen output to the LCD or external monitor when an external monitor (or TV) is connected to the computer. 76
F5	**Backlit**	Turns the LCD backlight on or off.
F6	**Mute**	Mutes or cancels mute.

Fn+	Name	Function
	Wireless LAN	Turns the wireless LAN function on or off in models with wireless LAN capability.
	Touchpad	Turns the Touchpad function on or off. When using an external mouse only, you can turn the Touchpad off.
	Num Lock	Turns the numeric keyboard on or off.
	Scroll Lock	If you turn the Scroll Lock on, you can scroll the screen up or down without changing the cursor location in some applications.

Screen Brightness Control

To adjust the LCD brightness press the **Fn** + key combination or the **Fn** + key combination.

The changed screen brightness is displayed at the center of the screen for a moment.

Volume Control

To control the volume, press the **Fn** + key combination or the **Fn** + key combination.

You can mute the sound or cancel the mute function by clicking the **Fn** + key combination.

Numeric Key

The numbers are printed in blue on the numeric keys.

If Num Lock is turned on by pressing the **Fn** + key combination, you can use the numeric keys to enter digits.

Other Function Keys

Application Key

Performs the right-click mouse function (touchpad).

Touchpad

The touchpad provides the same function as a mouse and the left and right buttons of the touchpad plays the role of the left and right buttons of a mouse.

- Use the Touchpad with your fingers. Using a sharp object may damage the Touchpad.
- If you touch the Touchpad or press the Touchpad buttons while booting up, the Windows boot time may be extended.

Touchpad
Use to move the cursor.

Touchpad Left Button
You can select or run a program using this button.

Touchpad Right Button
Plays the role of the right mouse button.

Connecting a monitor / TV (Optional)

Using an external display device is useful when you are giving a presentation or watching a video or movie through your monitor.

- You can use the **Connect Monitor / TV** function only when you have an **Organizer**. The **Organizer** is optional. It may be provided for some models only or should be purchased additionally.
- You have to buy a connection cable additionally.

Connecting to the Monitor / TV

Connect the computer to the RGB port of the monitor or TV using a monitor cable (15-pin).

Viewing Through a Monitor / TV

Switching the Display Device using the Shortcut Key

Press the **Fn** + F4 key combination once. Then the **Easy Display Manager** screen appears in which you can select a display device.

Whenever you press the F4 key while holding down the **Fn** key, the selected option is changed.

Example) Selecting LCD+CRT Dual View

Switching to the MENU Program Screen

1 Press the **wheel button** to run the **MENU** program.

2 Pressing the **LCD/CRT** button once cycles through the following modes: **LCD > CRT > Clone View > Dual View**.

- **LCD**: Computer Screen
- **CRT**: External Monitor Screen
- **LCD+CRT Clone View:** Computer + External Monitor Screen
- **LCD+CRT DualView:** Computer + External Monitor Screen in Dual View

- **What is Dual View?**
  Dual View is a function that enables you to view a computer screen over two display devices. It is convenient when you need a wide screen.

External Monitor / TV is not supported in the DOS Command Prompt window.

Using Dual View

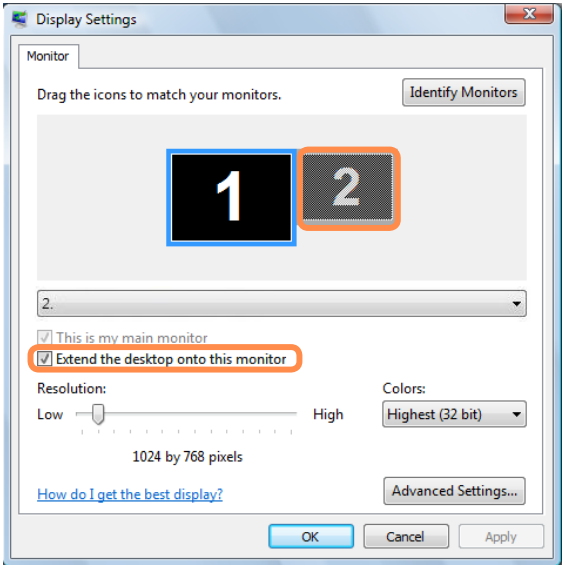
Dual View enables users to expand their computer screen over two display devices.

Dual View is convenient when a wide operating space is needed. In addition, since Dual View operates as if there are 2 graphic cards present even when there is only one, you can set the resolution and color for each display device.

Selecting Dual View

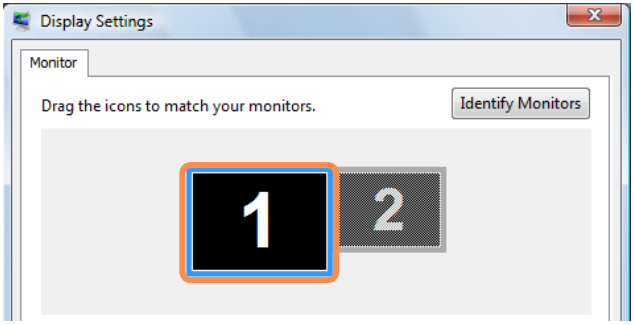
Check if the external display device is properly connected and follow the instructions below.

1. Click the **Start** > **Control Panel > Appearance and Personalization > Adjust screen resolution**.
2. Click on the number 2 monitor icon and select **Extend the desktop onto this monitor**. Click **Apply** and then click the **OK** button.



3. When notebook LCD is set as the main device, the 1 digit is displayed over it and the 2 digit is displayed over the auxiliary display device. Now you can expand the Desktop screen over 2 display devices.

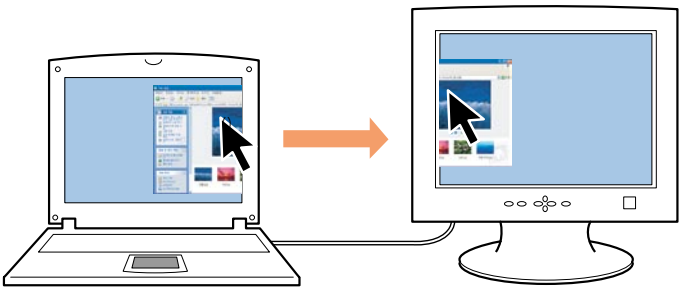
   When using Dual View, it is recommended setting the LCD as the main device (number 1).



If the screen of the auxiliary display device is displayed, click the **Start > Control Panel > Appearance and Personalization > Adjust screen resolution > Monitor Number 2** and adjust the resolution and color quality.

Using Window in Dual View

Click on the window title bar of the main LCD (monitor number 1) and drag it into the auxiliary display device (monitor number 2) to move the window.



Canceling Dual View

1. Click the **Start** > **Control Panel > Appearance and Personalization > Adjust screen resolution**.

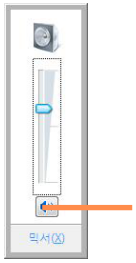
2. Click on the Monitor Number 2 icon, unselect **Extend the desktop onto this monitor**, and then click **Apply**.

Adjusting the Volume

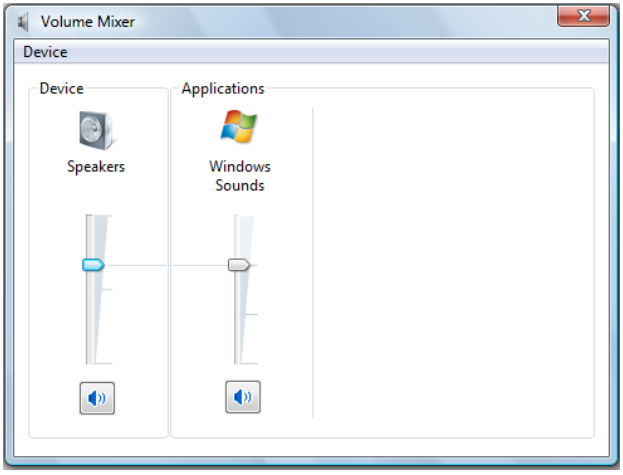
You can control the volume with the Volume Control program.

Adjusting the Volume using the Volume Adjustment Program

Click the **Volume** icon on the taskbar and slide the volume control bar to adjust the volume.



Alternatively, right-click over the **Volume** icon and select **Open Volume Mixer** to adjust the volume.



Using the Sound Recorder

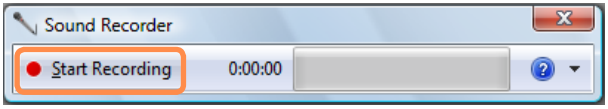
The procedures to record sound using the Windows Recorder are described below.

1. Right-click over the **Volume** icon on the taskbar and select **Recording Device**.

2. Check if the microphone is set as the default recording device.

   If this is the case, it is already set as the default device. If not, right-click over the microphone and select **Set default**.

3. Click **Start > All Programs > Accessories > Sound Recorder** and click **Start recording** to start a recording.



Using SRS

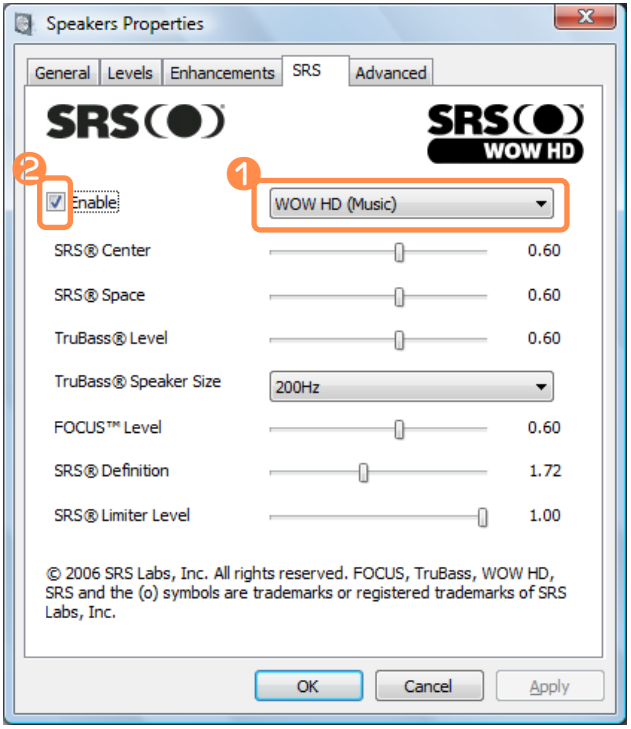
The SRS function enables you to experience more stereophonic sound by expanding the space-perception through the stereo speaker.

This function is available for specific models only.

1 Right-click over the **Volume** icon in the Taskbar and select **Playback Device(P)**.

2 Select **Speaker** in the **Playback** tab and click **Properties**.

3 Select the **SRS** tab in the **Speaker Properties** window. ❶ Select a mode, select the ❷ **Enable** checkbox on the left and click **OK**. Then you can listen to sound through the selected SRS effect.



- **WOW HD (Music)**: Select to listen to music.
- **TruSurround XT (Movie/Video)**: Select to watch a movie.

- The SRS function is only supported for a computer's built-in speakers or headphones.
- It is recommended uncheking the SRS option before recording, and checking it before play. It is to prevent sound distortion because of double application of SRS effect when user plays the file recorded by using stereo mix.

Chapter 3.

Using Microsoft Windows Vista

About Microsoft Windows Vista 82

Windows Vista Screen Layout 85

Control Panel 95

The screen shots used in this chapter may differ from actual screens depending on the Windows Vista version and model.

About Microsoft Windows Vista

Microsoft Windows Vista (hereafter Windows) is a computer operating system. Since you have to learn how to use it in order to use the computer efficiently and effectively, use the **Welcome Center** and **Windows Help and Support** to learn about Windows Vista.

The screen layout may differ depending on the computer model and the operating system.

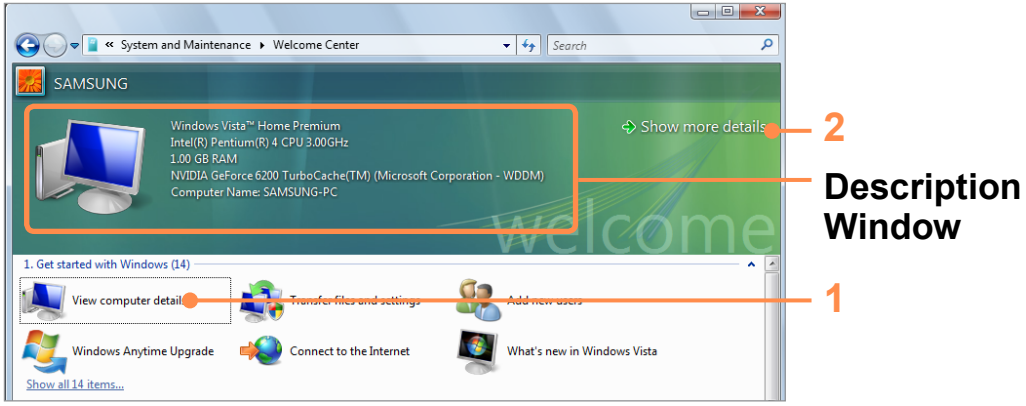
Welcome Center

In the Welcome Center, you can view brief descriptions of Windows Vista functions and run the functions directly.

1. Click **Start** > **Welcome Center**.

2. If you click on an item, information on the function is displayed in the description window.

   For example, if you click **View computer details**, your computer information is displayed in the description window. In addition, if you click on **Show more Details**, you can view more detailed information.



Windows Vista Demo

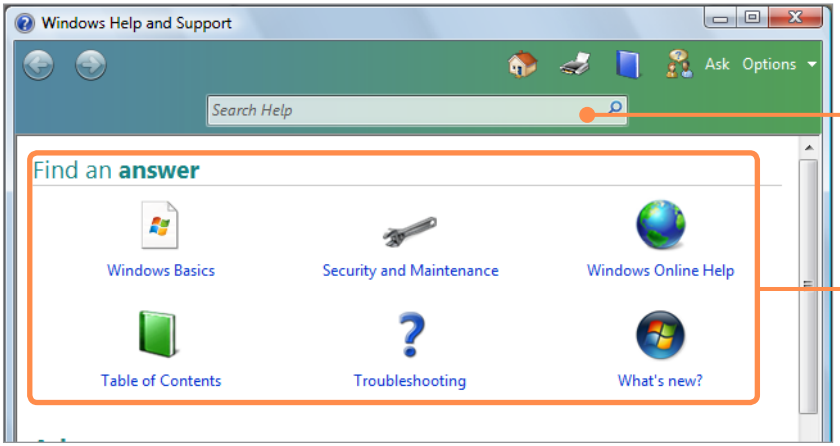
If you click **Start > Welcome Center > Show all x items > Windows Vista Demo**, you can watch the Windows Vista introduction movie.

Help and Support

Windows Help and Support provides information on Windows basic functions and usages.

Click **Start** > **Help and Support**.

You can find help for frequently used basic functions using Find an Answer and you can search for help by entering a keyword in the Search box.

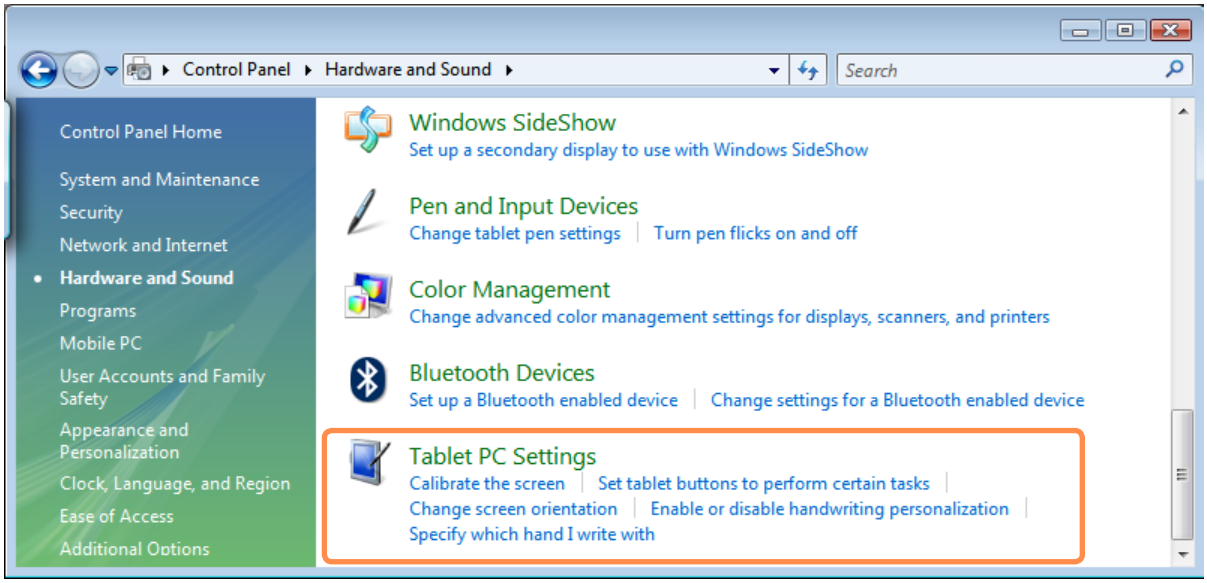


Windows Basics		Introduces the basic usage of the computer and the Windows operation system. You can learn tasks and tools necessary to use the computer.
Security and Maintenance		You can view help on computer protection and security.
Windows Online Help		If your computer is connected to the Internet, you can view the necessary information online.
Table of Contents		The help pages are arranged by subject so that users can easily find the relevant information.
Troubleshooting		You can view possible problems that may occur while using Windows and solutions to the problems.
What's new?		You can view help for new Windows Vista features.

Tablet PC Setting Information

This computer is a Tablet PC with a touch screen.
In the Tablet PC Settings of the Control Panel, you can set the screen correction, screen pivot function and whether to use the left-handed or right-handed option.

Click **Start** > **Control Panel** > **Hardware and Sound** > **Tablet PC Settings**.


Control Panel ▸ Hardware and Sound ▸
Search
Control Panel Home
System and Maintenance
Security
Network and Internet
Hardware and Sound
Programs
Mobile PC
User Accounts and Family Safety
Appearance and Personalization
Clock, Language, and Region
Ease of Access
Additional Options
Windows SideShow
Set up a secondary display to use with Windows SideShow
Pen and Input Devices
Change tablet pen settings | Turn pen flicks on and off
Color Management
Change advanced color management settings for displays, scanners, and printers
Bluetooth Devices
Set up a Bluetooth enabled device | Change settings for a Bluetooth enabled device
Tablet PC Settings
Calibrate the screen | Set tablet buttons to perform certain tasks
Change screen orientation | Enable or disable handwriting personalization
Specify which hand I write with

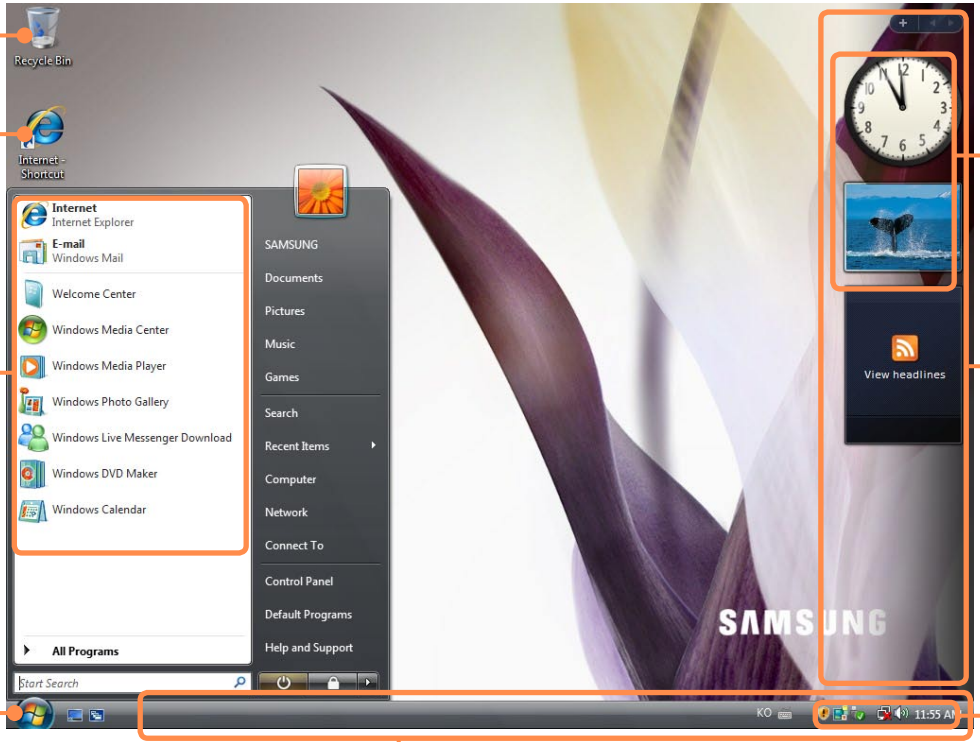
For the efficient use of a Tablet PC
You can use the computer more efficiently in a short time by learning how to use your fingers and the Stylus Pen.
Click **Start > All Programs > Tablet PC** and then click **Tablet PC Touching Training** or **Tablet PC Pen Training**.

Windows Vista Screen Layout

Desktop

If you turn the computer on, the Desktop screen appears.
The desktop is the working area on the computer. It consists of a large workspace and a taskbar at the bottom as shown in the figure below.

The screen layout may differ depending on the computer model and the operation system version.



1 Recycle Bin
2 Shortcut Icons
3 Start Menu
4 Start Button
5 Taskbar
6 System Tray with Clock
7 Sidebar
8 Gadget

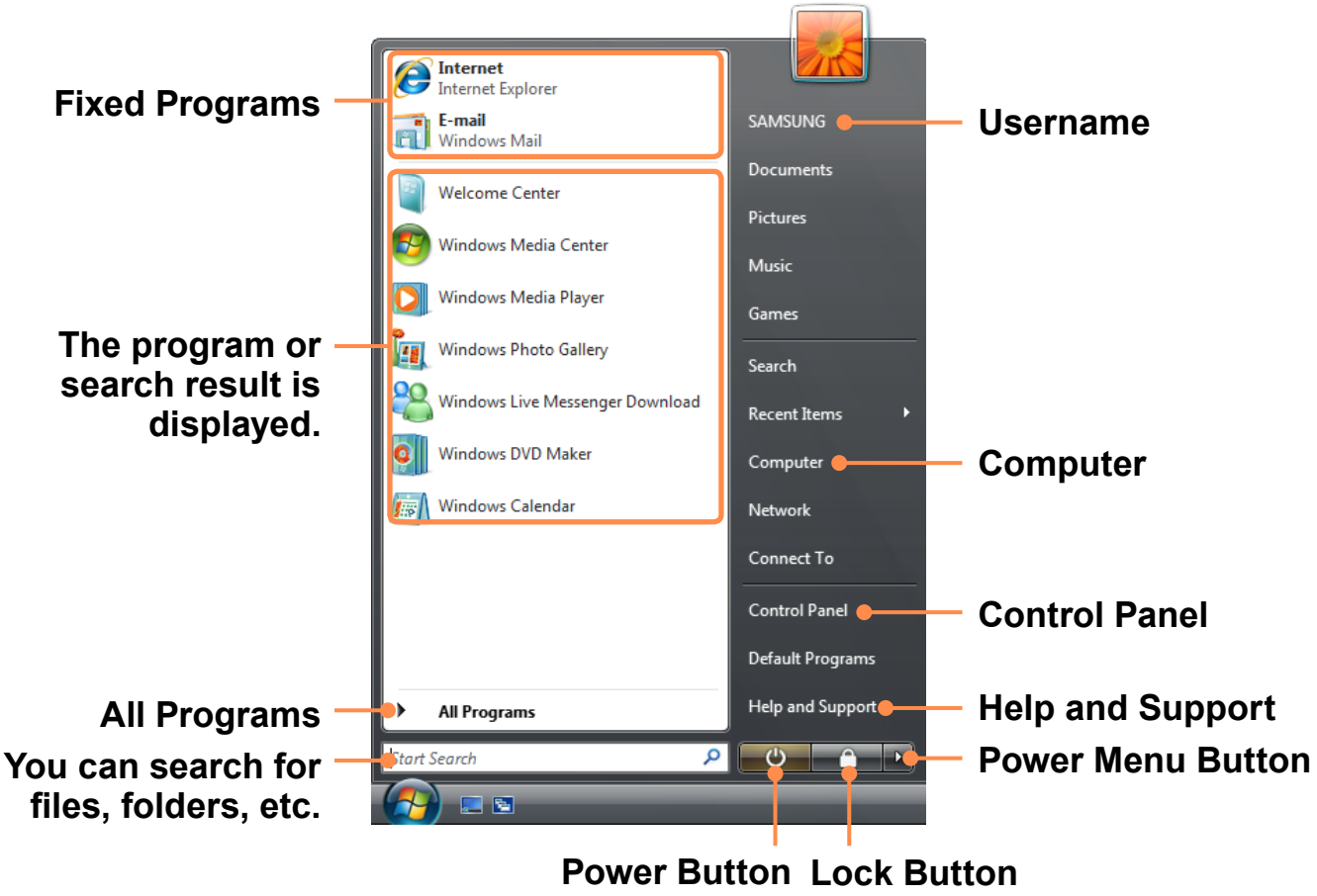
1 **Recycle Bin**	You can drop useless files and folders here.
2 **Shortcut Icons**	You can launch programs by clicking the shortcut icons on the Desktop.
3 **Start Menu**	The menu from which you can launch programs.
4 **Start Button**	Press the start button. The Start menu appears.
5 **Taskbar**	Currently running programs are displayed here.
6 **System Tray with Clock**	Shows some running program icons. Icons not being used are hidden. If you click the arrow mark on the left, you can view hidden icons. This is a mini information program that appears on the Sidebar.
7 **Sidebar**	This is a vertical bar that appears at the side of the Desktop.
8 **Gadget**	This is a mini information program that appears on the Sidebar.

Some item may not be provided depending on the Windows Vista version.

Start Menu

The menu from which you can launch programs.

Click **Start** . The Start menu appears.



Computer		Shows storage devices such as hard disk drives, CD/DVD drives, network drives, etc. In addition, you can manage files and folders here.
Control Panel		Enables users to configure the appearance and settings of Windows such as the Desktop, window colors, hardware and software settings, security, etc.
Help and Support		Provides on-line help about function, usage of Windows, and troubleshooting. You can find a solution to a problem by entering a keyword.
Power Button		Click the Power button to enter Sleep mode. However, what the power button does changes according to the power button setting. 100
Lock Button		To lock the computer, click this button. If you lock your computer, no one can use the computer until you enter the password.
Power Menu Button		Click the Power Menu button to shut down, restart, and logoff from the computer.
Search		Enables users to search for files and folders.

Sidebar / Gadget

Sidebar is a vertical bar that appears at the side of the Desktop.

A mini program called Gadget runs over the Sidebar which shows information such as stocks, schedule, weather, etc. and provides frequently used tools.

You can download various Gadgets from the Internet, other than the default Gadget.

Sidebar / Gadget Structure

To use the Sidebar/Gadget, click **Start** > **All Programs** > **Accessories** > **Windows Sidebar** to launch it.

To always display the Sidebar, right-click over the Sidebar and select **Properties** and then select the **Sidebar is always on top of Screen** option in the **Arrangement** field.

Adding a Gadget

You can find a gadget in the **Gadget Gallery** and add it to the Sidebar.

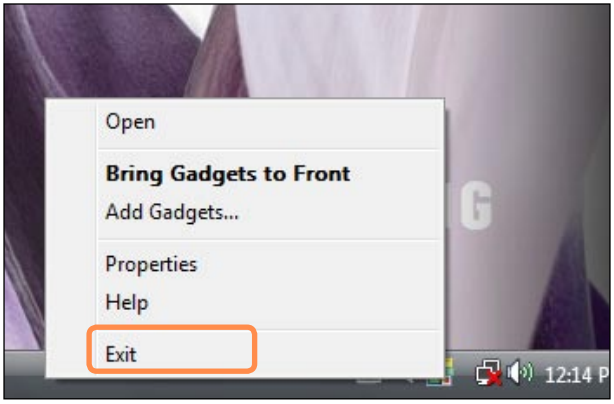
1 If you click the **+** at the top of the Sidebar, the Gadget Gallery opens.

2 If you double-click on a gadget, the gadget is added to the Sidebar.

- If you drag a gadget to a new location with the Stylus Pen it moves the gadget to that location.
  Not only can you move a gadget onto the Sidebar but also out of the Sidebar.
- If you tap on the gadget with the Stylus Pen, the **Close** and **Option buttons** appear.

Exiting the Sidebar

Right-click on the **Sidebar** icon in the System Tray with the clock on the taskbar and select **Exit** to exit the Sidebar.



Closing the Sidebar

- Even if you close the Sidebar, the Sidebar continues running in the System Tray in the clock area, though it is not displayed on the Desktop.
- To close the Sidebar, right-click over the Sidebar on the Desktop and select **Close Sidebar.**

  To open the Sidebar again, right-click on the **Sidebar** icon in the System Tray with the clock on the taskbar and select **Open**.

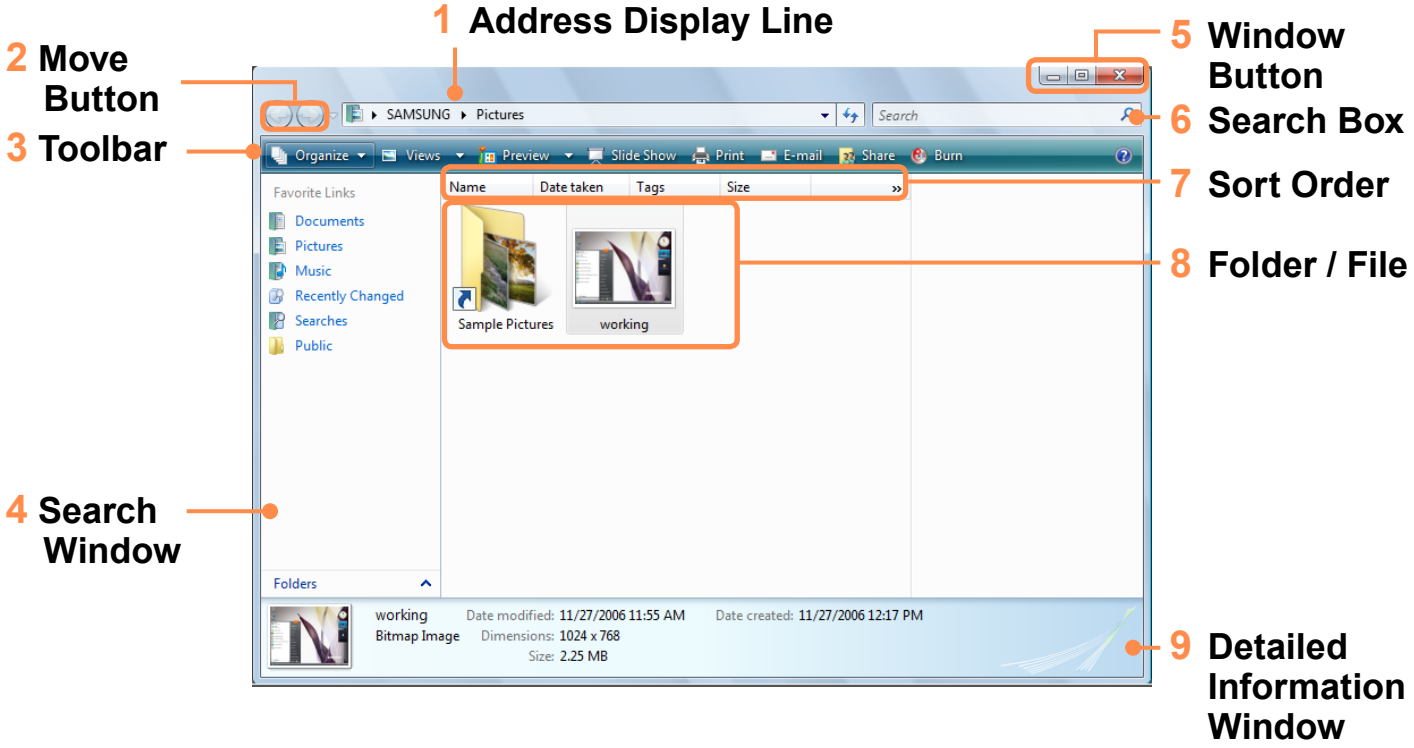
Window

A window is the basic frame for a computer operation. As an example, let's see the layout of a **Pictures Window**.

Click **Start** > **Pictures.**

The items and names may differ depending on your computer model and the Windows Vista version.

Window Layout



1 **Address Display Line**	Shows the location of the currently selected folder or file.
2 **Move Button**	You can move to the previous or next page by clicking the Back or Next buttons. Opens the previously opened page. Opens the next page, when you have returned to a previous page.
3 **Toolbar**	Provides icons to quickly run frequently used functions.
4 **Search Window**	You can view the drive structure and the currently opened window location. You can move directly to a folder by clicking the folder in the Search window.
5 **Window Button**	Used to resize the window. Minimizes the window. Maximizes the window. Closes the window.
6 **Search Box**	You can search for files by specifying the text included in the filename or within the file or file attributes.
7 **Sort Order**	Used to change the sort order of the files.
8 **Folder / File**	The drives, folders and files included on the computer are displayed here.
9 **Detailed Information Window**	Shows the general information of the selected file.

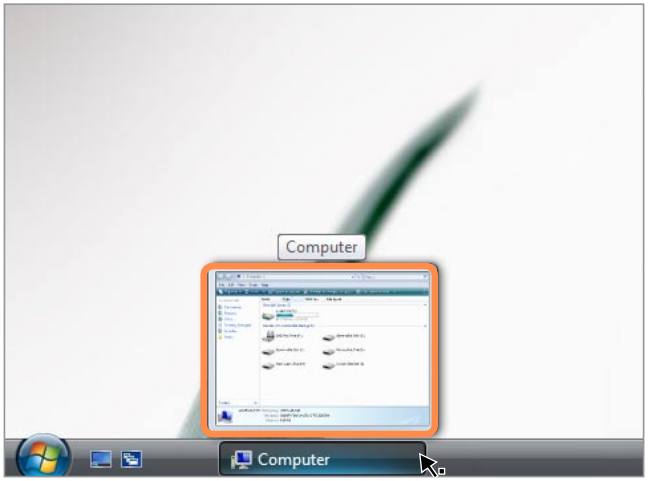
- **What is a drive?**
  A storage device on which files and folders are saved to and read from.
- **What is a folder?**
  A folder is used to systematically group and manage files, and may include files in sub-folders. It is similar to a filing cabinet.
- **What is a file?**
  A file is a document or various kinds of information generated as a result of a program operation. This is also called data.

Window View Functions

- If you have set up the Aero function, you can use the window view functions.
- If you want to use the Aero function, click **Start > Control Panel > Appearance and Personalization > Window Color and Appearance**. Select **Enable Transparency** and Click **OK**. If **Appearance Settings** window appears, select **Windows Aero** from the **color scheme** and click **OK**.

Preview

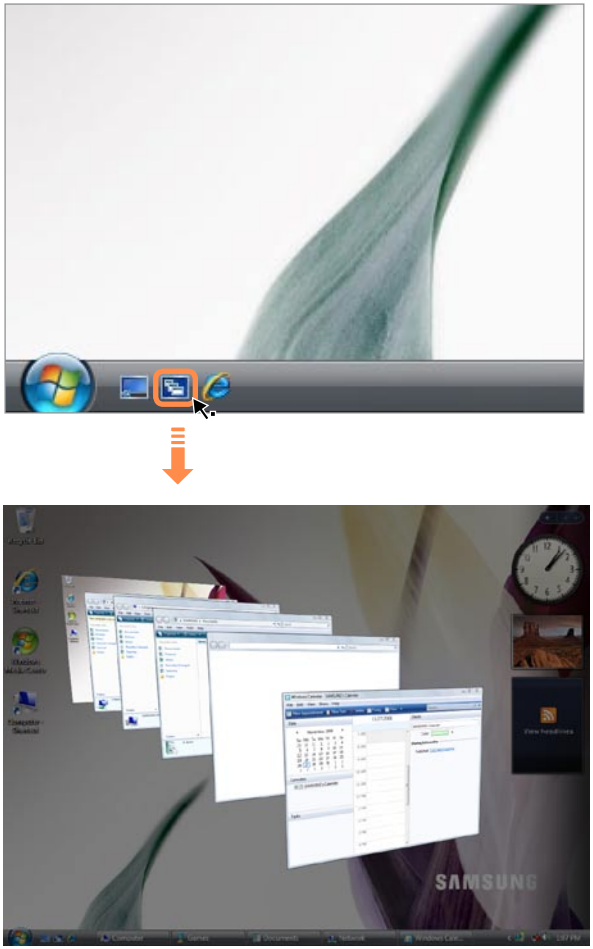
If you move the mouse pointer over a window button on the Taskbar, you can preview the contents of the window without opening it.



Switching between Windows

This function arranges multiple windows in 3D so that users can easily view the windows.

Click on **Switch Windows** at the bottom left of the Desktop, and the windows are displayed in 3D.

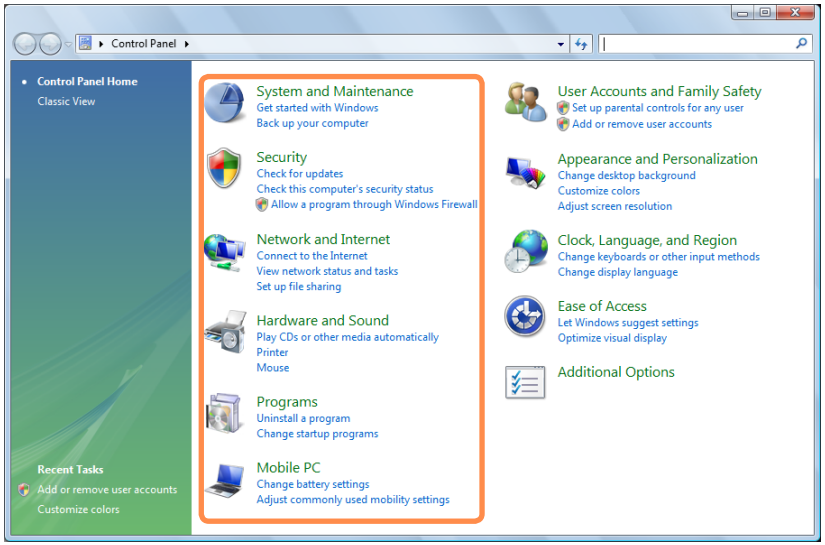


Control Panel

Tools for configuring Windows are located in the Control Panel.

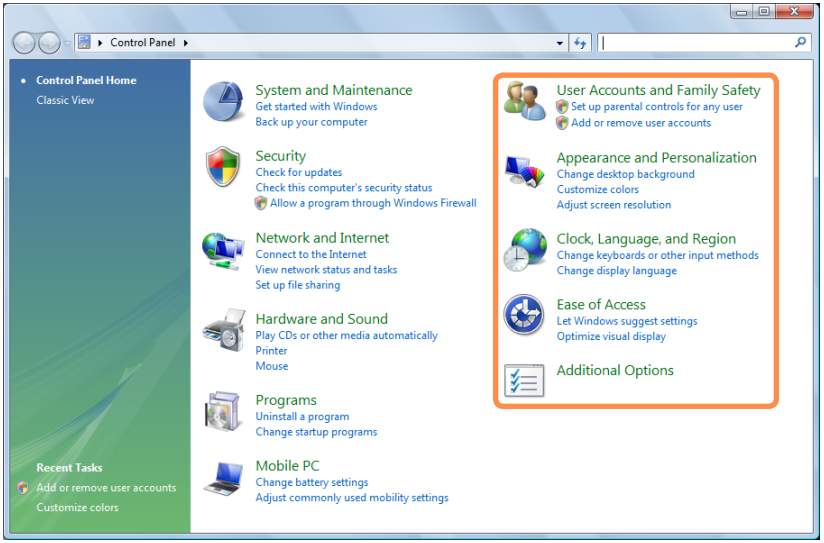
Opening the Control Panel

Click **Start** > **Control Panel**.



System and Maintenance		Using this function, you can configure Windows performance options.
Security		Using this function, you can check the current security status to protect the computer and configure the security settings for the firewall, spyware, etc.
Network and Internet		Using this function, you can check the network status and configure the settings. You can change the Internet connection settings.
Hardware and Sound		Using this function, you can add a printer and other hardware, change the settings, and update the device drivers.
Programs		Using this function, you can remove a program, Windows function, or download a new program from the internet.

Mobile PC		You can set up the mobility, power option and personal settings for your mobile PC. You can also synchronize your mobile PC with another portable device or network folder.



User Accounts and Family Safety		You can change the user account settings, passwords and configure the Parental Controls function.
Appearance and Personalize		Using this function, you can configure the Desktop style, theme or screen saver settings.
Clock, Language, and Region		Using this function, you can configure the date, time, language and regional settings.
Ease of Access		Using this function, you can select options for hearing and sight impaired persons as well as for challenged persons. You can configure the audio recognition settings.
Additional Options		Using this function, you can configure other Control Panel item settings.

User Accounts

Using Windows Vista User Accounts, more than one user can easily share the same PC.

The procedures to add and delete a user account and to switch users, are described below.

Adding User Accounts

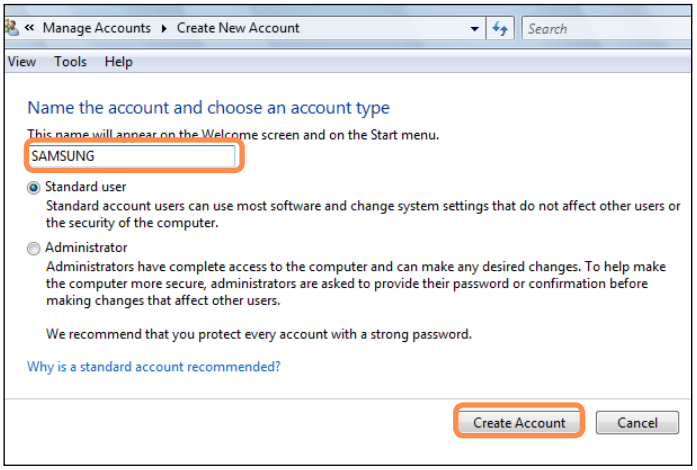
1 Click **Start** > **Control Panel** > **User Accounts and Family Safety**.

2 Click **User Accounts** > **Manage another account**.

3 Click **Create a new account**.

4 Enter a new **username** and select either Standard User or Administrator.

5 Click **Create Account** to add a new account.


Manage Accounts
Create New Account
Search
View
Tools
Help
Name the account and choose an account type
This name will appear on the Welcome screen and on the Start menu.
SAMSUNG
Standard user
Standard account users can use most software and change system settings that do not affect other users or the security of the computer.
Administrator
Administrators have complete access to the computer and can make any desired changes. To help make the computer more secure, administrators are asked to provide their password or confirmation before making changes that affect other users.
We recommend that you protect every account with a strong password.
Why is a standard account recommended?
Create Account
Cancel

Removing User Accounts

- If there is only one **administrator account** for the computer, you cannot delete the **administrator account**.
- You can only delete another account when you are logged in as an administrator.

1 Click **Start** > **Control Panel** > **User Accounts and Family Safety** > **User Accounts**.

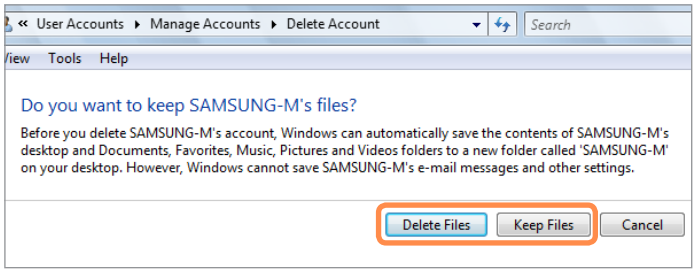
2 Click **Manage Another Account**.

3 Click on the user account to be deleted.

4 Click **Delete the Account** in the Make changes to user's account menu.

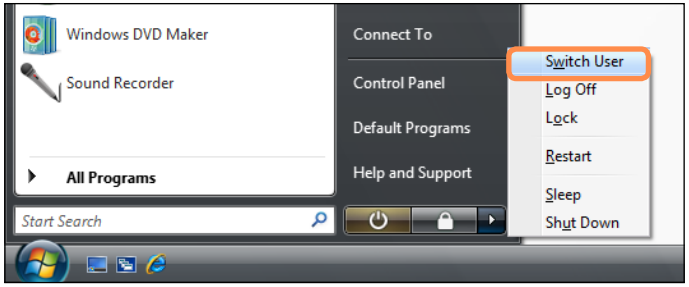
5 A window appears asking whether you want to save the desktop, documents, favorites, music files, pictures and video folders as new folders on the Desktop before deleting the account.

- If you click **Delete files**, the account and all files belonging to the account are deleted.
- If you click **Keep files**, only the account is deleted and the files belonging to the user are saved on the Desktop.


User Accounts ▸ Manage Accounts ▸ Delete Account
Search
Tools
Help
Do you want to keep SAMSUNG-M's files?
Before you delete SAMSUNG-M's account, Windows can automatically save the contents of SAMSUNG-M's desktop and Documents, Favorites, Music, Pictures and Videos folders to a new folder called 'SAMSUNG-M' on your desktop. However, Windows cannot save SAMSUNG-M's e-mail messages and other settings.
Delete Files
Keep Files
Cancel

Switching User Accounts

1 Click **Start** on the taskbar and select **Switch User**.



2 If you click on another username in the start screen, you can login with that user account.

Changing the screen resolution and the color

The resolution refers to the number of pixels displayed on the screen. When increasing the resolution, the items on the Desktop become smaller and more items can be displayed on the screen. The higher the color quality, the more colors are displayed on the screen.

1 Click **Start** > **Control Panel** > **Appearance and Personalization** > **Personalization** > **Display Settings**.

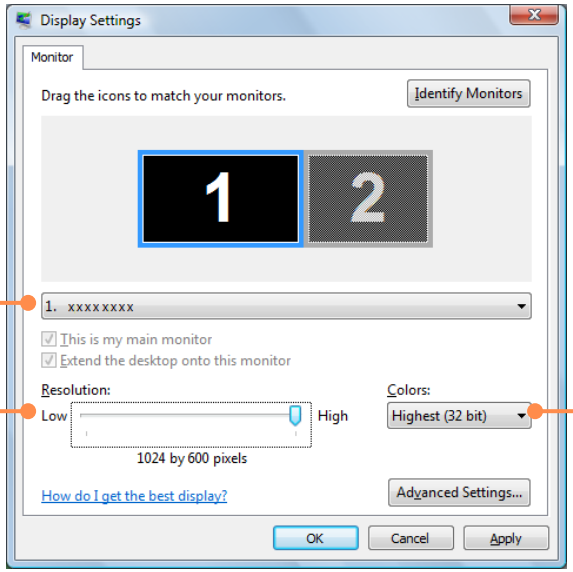
Alternatively, right-click on the Desktop and select **Personalization** > **Display Settings** from the pop-up menu.

2 The Display Settings screen appears.

Change the resolution and color settings and click the **OK** button.

You can check the graphics chipset.

To change the resolution, slide the resolution sliding bar to a particular resolution.



To change the color quality, click this button and select a particular quality.

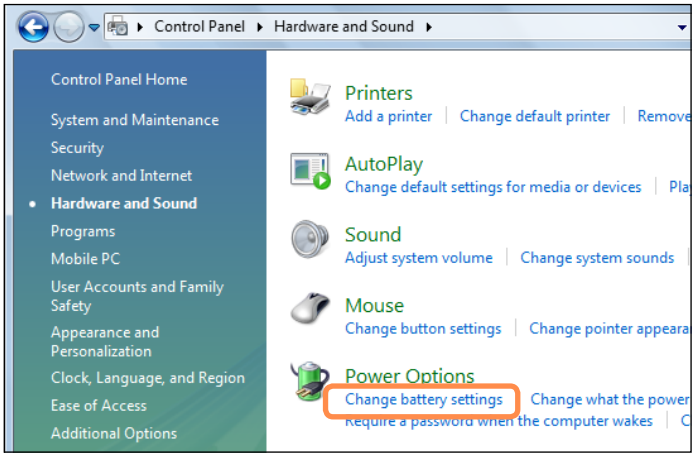
The following resolutions and color qualities are recommended according to the computer LCD panel type.

LCD Type	Resolution	Color Quality
7” WSVGA	1024 x 600	Very High (32bit)

Configuring the Start Menu Power Button

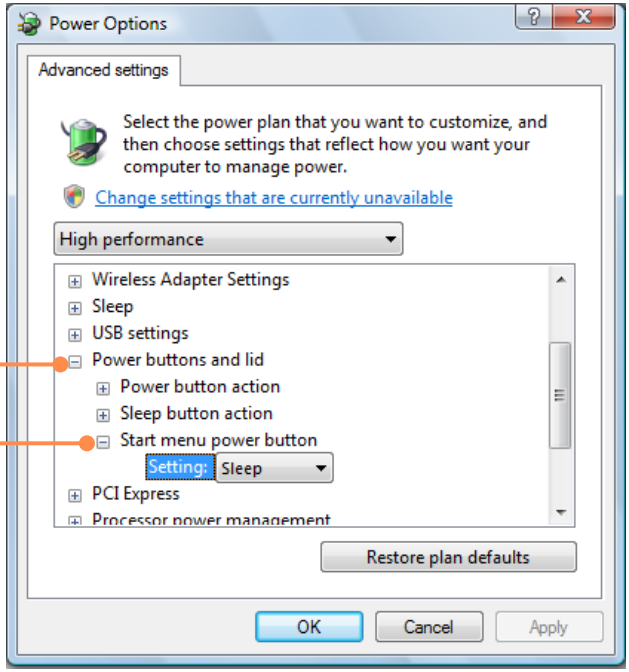
The **Power button** on the Start menu performs various operations depending on the settings.

1 Click **Start** > **Control Panel** > **Hardware and Sound** > **Power Options** and then **Change battery settings**.



2 Click on **Change Plan Settings** in the currently selected power setting.

3 Click on **Change Advanced Power Settings** and open **Start Menu Power Button** in the **Power Buttons and Lid** item.



4 Select a power plan and click the **OK** button.

Type	Description	Power Button Image after Setting Change
Sleep	Sets the computer to enter Sleep mode. The screen and hard disk will be turned off to reduce the power consumption of the overall system. If you slide the **power switch** of the computer downwards, the computer wakes from Sleep Mode and you can resume working.	
Hibernate	Sets the computer to hibernate. All work is automatically saved, the screen is turned off and the computer makes no noise. If you slide the **power switch** of the computer downwards, the computer wakes from Hibernation Mode and you can resume working.	
Shut down	Shut down the computer. You have to shut down the computer after closing all programs and opened folders.	

- The Power button is set to Sleep mode by default.
- If the computer is set to download Windows updates automatically, the **update mark** ( ) is displayed on the Power button when an update is ready.
  If you click this button, the update is installed and the computer is shut down when the update installation is complete.

Phishing Filter

Phishing is a method used by hackers to illegally collect personal information such as credit card numbers, passwords, other account numbers, etc. through emails or websites.

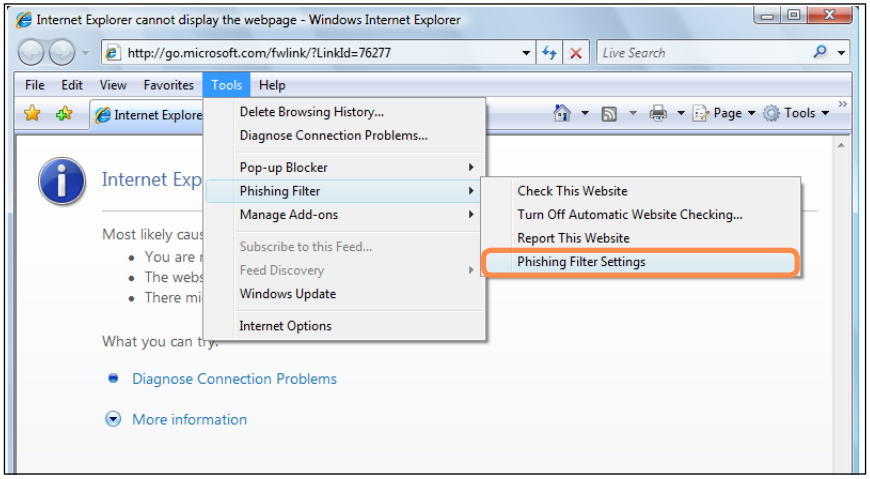
The Phishing Filter protects users from these phishing attempts.

If the current page is judged to be a suspicious website, the Phishing Filter displays a warning message with an alarm when the Phishing Filter is enabled. In addition, if a page that the user is currently trying to open is registered as a known Phishing website list, it displays a warning page instead.

Phishing Filter Settings

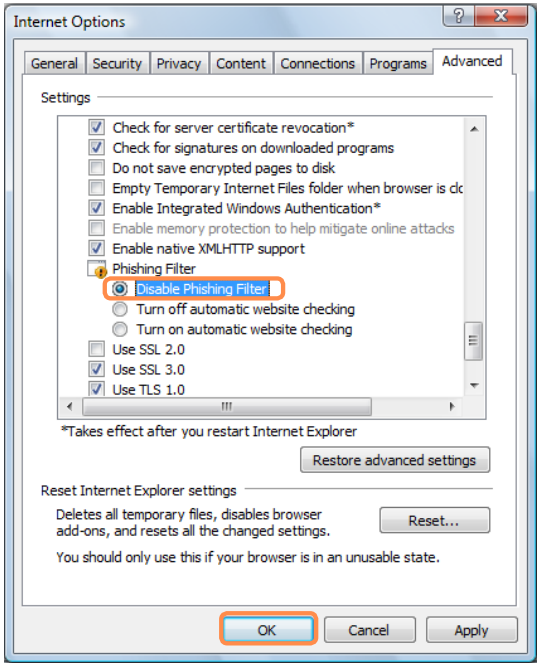
1 Launch Internet Explorer.

2 Select **Tools** from the menu and click **Phishing Filter > Phishing Filter Settings**.



3 The Internet Options window opens.

Locate the Phishing Filter item in the Settings field. Select **Turn on automatic website checking** and click the **OK** button to use the Phishing Filter.



4 To not use the Phishing Filter, select **Turn off automatic website checking** in the Settings field in Step 3 above.

User control function

Using this function, you can control the content your children can access.
You can determine for how long they can use the computer and the content they can access. When you have finished the settings, click OK to finish.

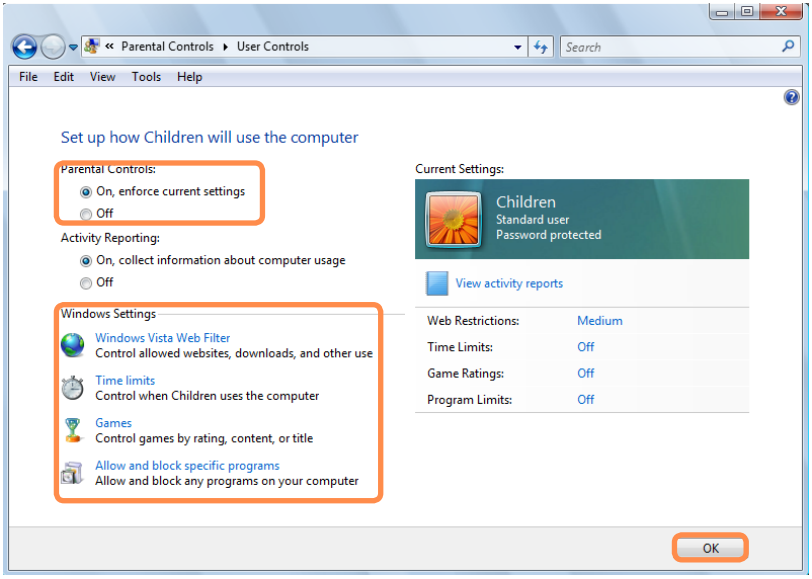
Configuring Parental Controls

1 Click **Start** > **Control Panel** > **User Accounts and Family Safety** > **Parental Controls**.

2 Select a user to configure the Parental Controls for.

The **User Controls** window for that user opens.

3 Click **Parental Controls** > **Use** and configure the necessary settings in the **Windows Settings** at the bottom. If you click **OK**, the Parental Controls setting is completed.

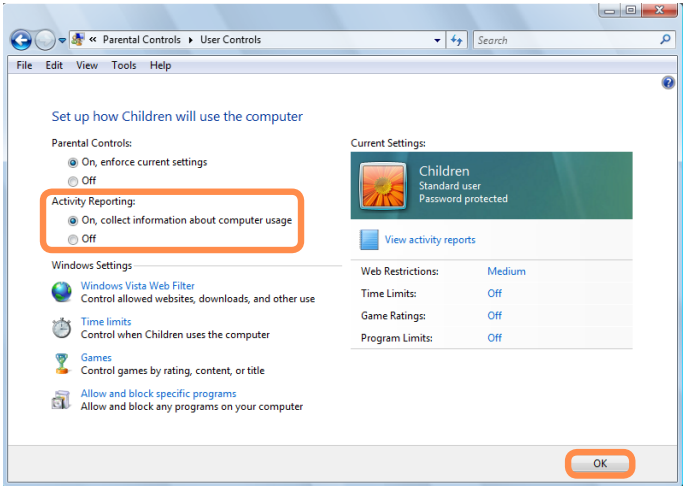


Using Activity Report

You can view and evaluate your children's internet access through the Activity Report.

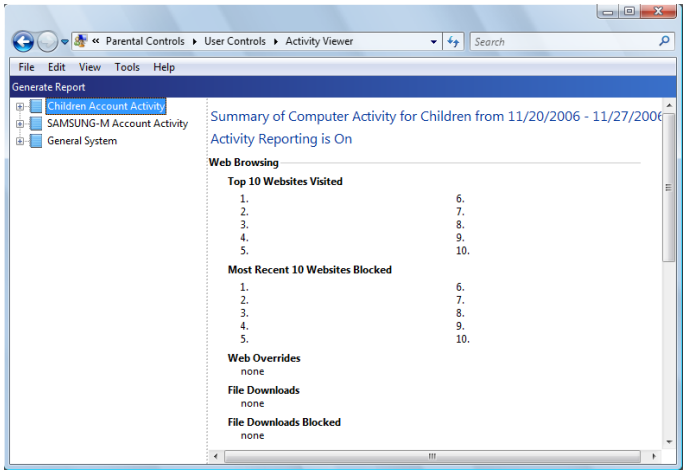
1 Open the **User Controls** window referring to the descriptions of **Parental Controls**.

2 Set **Activity Reporting to On**.



3 To view the Activity Report, click on **View Activity Report** on the right of the **User Controls** window.

4 If you click the **View Activity Report**, the following window opens displaying a computer operating summary.

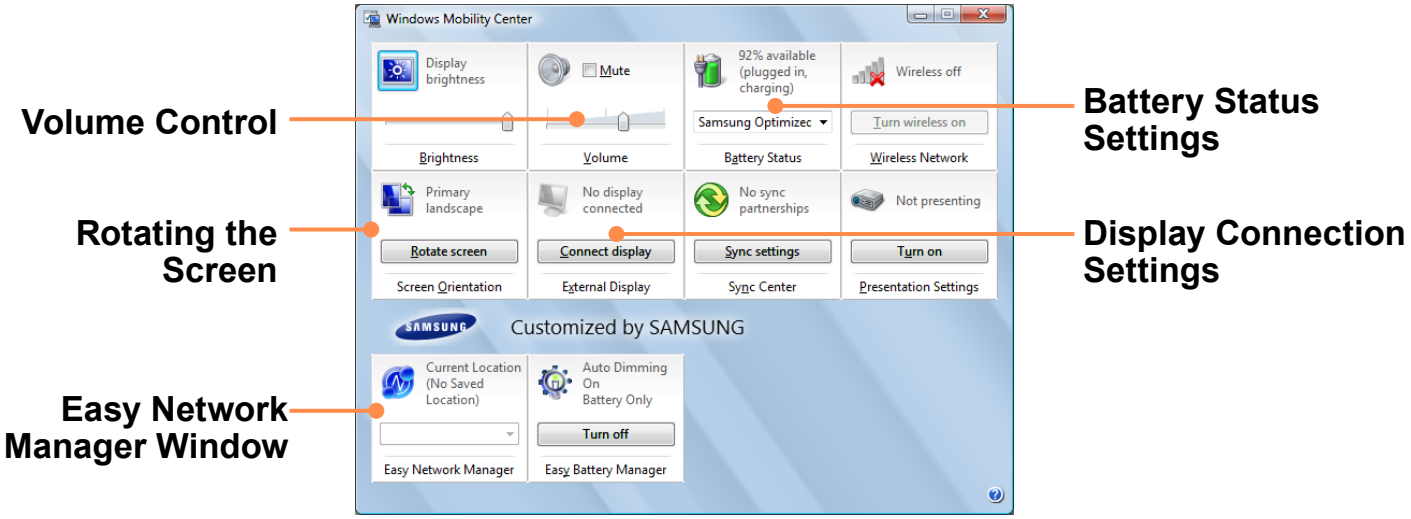

Parental Controls ▸ User Controls ▸ Activity Viewer
Search
File Edit View Tools Help
Generate Report
Children Account Activity
SAMSUNG-M Account Activity
General System
Summary of Computer Activity for Children from 11/20/2006 - 11/27/2006
Activity Reporting is On
Web Browsing
Top 10 Websites Visited
1. 2. 3. 4. 5. 6. 7. 8. 9. 10.
Most Recent 10 Websites Blocked
1. 2. 3. 4. 5. 6. 7. 8. 9. 10.
Web Overrides
none
File Downloads
none
File Downloads Blocked
none

Windows Mobility Center

Using the Windows Mobility Center, you can easily configure computer settings such as the volume, wireless network connection settings, display settings, etc. all at the same time.

Some functions may not be supported depending on the Windows Vista version.

1 Click **Start** > **All Programs** > **Accessories** > **Windows Mobility Center**.
Alternatively, click **Start** > **Control Panel** > **Mobile PC** > **Windows Mobility Center**.



2 Configure the volume, battery status, external display, Sync center, etc. according to your requirements.

- Configurable items may differ depending on the installed Windows Vista version or programs.
- If the Easy Network Manager program is installed, you can see Easy Network Manager window.
- If you turn off Wireless Networking in the Mobility Center, it will not affect the Wireless LAN LED and the MENU program. If you turn off the Wireless LAN in the MENU program, the Wireless LAN LED will be turned off and the Wireless Network button of the Mobility Center will also be disabled.

Chapter 4.
Using the Network

Wired Network (Optional) 108

Wireless Network 111

Using the Easy Network Manager (Optional) 113

Bluetooth (Optional) 117

Wired Network (Optional)

A wired network is a network environment used for a company network or broadband internet connection at home.

- You can only use the **Wired network** function when you have an Organizer.
  The **Organizer** is optional. It may be provided for some models only or should be purchased additionally.
- You can also configure the network settings using the Easy Network Manager.
  113

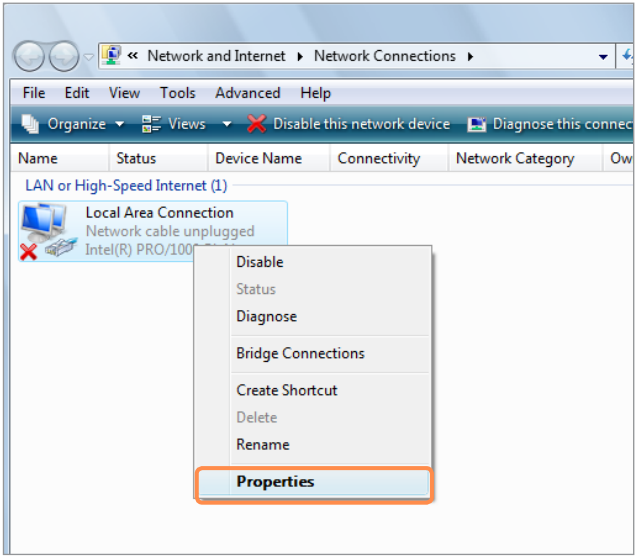
1 Connect a LAN cable to the Organizer's **LAN port**.

If the wired network does not work properly, restart the computer.

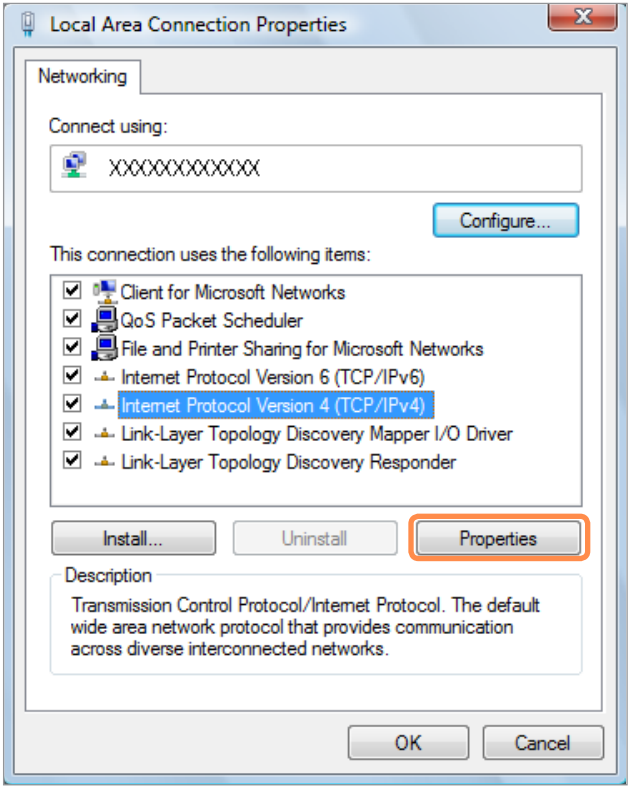
2 Click **Start > Control Panel > Network and Internet > Network and Sharing Center**.

3 Click **Manage Network Connections** from the left pane.

4 Right-click over the **Local Area Connection** and select **Properties**.



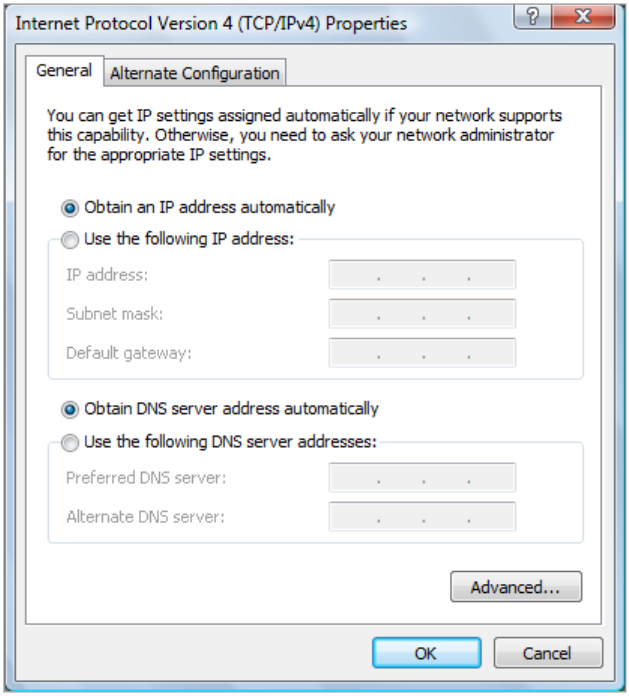
5 Select **Internet Protocol Version 4 (TCP/IPv4)** from the **Networking** tab and click **Properties**.



- The LAN device driver may differ depending on your LAN device model.
- To add a network component, click **Install** in the screen shown in the figure above. You can add clients, services, and protocols.

6 Configure the IP settings.

When using DHCP, select **Obtain an IP address automatically**. To use a static IP address, select **Use the following IP address**, and set the IP address manually.


Internet Protocol Version 4 (TCP/IPv4) Properties
General
Alternate Configuration
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
Obtain an IP address automatically
Use the following IP address:
IP address:
Subnet mask:
Default gateway:
Obtain DNS server address automatically
Use the following DNS server addresses:
Preferred DNS server:
Alternate DNS server:
Advanced...
OK
Cancel

When not using DHCP, ask your network administrator for the IP address.

7 When you have completed the settings, click the **OK** button.

The network settings have been completed.

Using both DHCP and a fixed IP simultaneously

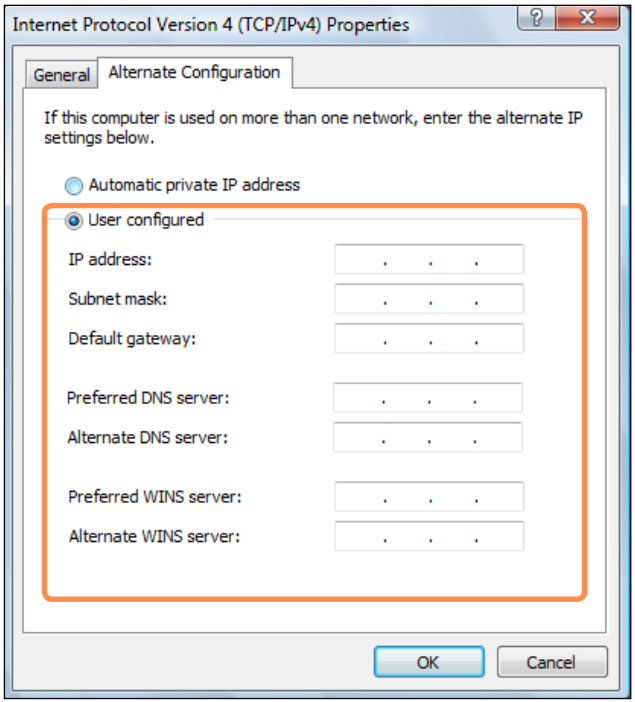
Using the **Alternate Configuration** providing by Windows Vista, you can set both automatic and fixed IP addresses and then you can select to use either of them to connect to the Internet.

1 Click **Start > Control Panel > Network and Internet > Network and Sharing Center** and click **Manage Network Connections** in the left pane.

2 Right-click over the **Local Area Connection** and select **Properties**.

3 Select **Internet Protocol Version 4 (TCP/IPv4)** from the **Networking** tab and select **Properties**.

4 Select the **Alternate Configuration** tab, select **User configured** and fill in the corresponding fields.



5 When you have completed the settings, click the **OK** button.

Wireless Network

A wireless network allows computers to share resources or an internet connection without using LAN cables between them.

- This description is applied only to the models equipped with wireless LAN cards or devices. You can set a wireless network by using **Easy Network Manager** as well. 113
- A Wireless LAN device is optional. To view the installed wireless LAN card, click **Start > Control Panel > Hardware and Sound > Device Manager > Network Adapter** and click the **+** symbol.

  Some of the pictures shown in this description may vary depending on the wireless LAN device.
- To use the wireless LAN, press the **wheel button** and set the **Wireless LAN** item of the **MENU** program to **ON** to turn the wireless LAN on. When the wireless LAN is turned on, the **Wireless LAN Operation LED** is turned on.

Types of Wireless LAN Connections

The types of wireless LAN connections are as follows. The following describes how to use the wireless LAN based on AP connections.

- **AP Connections**

  You can connect to the Internet or a computer on the network by connecting to AP on an AP-enabled network.

What is Access Point (AP)?

AP is a network device that connects wired LAN to wireless LAN and corresponds to the wireless hub of a wired network. Also, AP allows you to connect more than one computer where wireless LAN is enabled.

- **Wireless Ad-Hoc Network Type**

  This connects computers with wireless LAN communications capability. Communication is enabled by constructing an Ad-Hoc network via one computer and connecting another computer through a wireless connection.

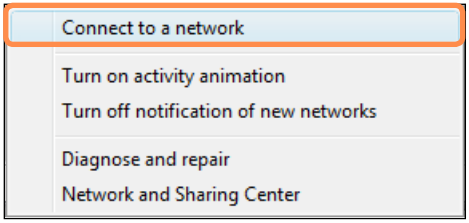
  For more detailed connection procedures, refer to the descriptions that appear when selecting **Start > Help and Support > Table of Contents > Networking-connecting computers and devices > Setting up a network > Setting up a computer-to-computer (ad hoc) network**.

  When you use Ad-Hoc, you have to change the McAfee Firewall settings. 197

Connecting to Wireless LAN

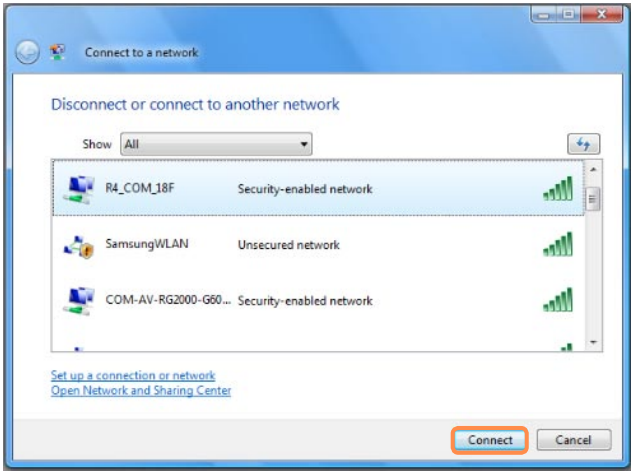
If an AP exists near your location, you can easily connect to wireless LAN in the method provided by Windows Vista.

1 Right-click over the **Network Connections** icon on the taskbar and click **Connect to the Network**.


Connect to a network
Turn on activity animation
Turn off notification of new networks
Diagnose and repair
Network and Sharing Center

2 Select an AP to connect to and click **Connect**.

If there is a configured network key for the AP to connect to, the Enter Network Key window appears. Enter the network key in the window and then click the **Connect** button.



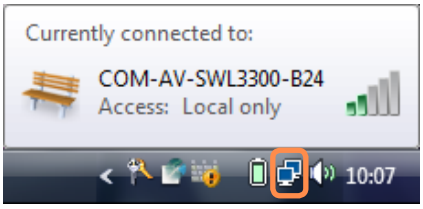
Ask your network administrator for the network key, if necessary.

3 When **Connected** to the AP is displayed, click the **Close** button.

You can access the network.

Checking the network connection status

Move the mouse pointer over the **Wireless Network Connection** icon on the taskbar, and the connection status is displayed.



Using the Easy Network Manager (Optional)

Easy Network Manager is a program that helps configure the network settings.

Easy Network Manager provides the following features.

- **You can easily configure the network and printer settings.** 113~114
- **You can immediately use the network without having to define new network settings again after moving to another location.** 115
  By configuring the network settings (IP address, printer settings, etc.) for each location, you can immediately access the network without following the network setting procedures each time regardless of your location.
- **You can diagnose the network status.** 116

Network Settings

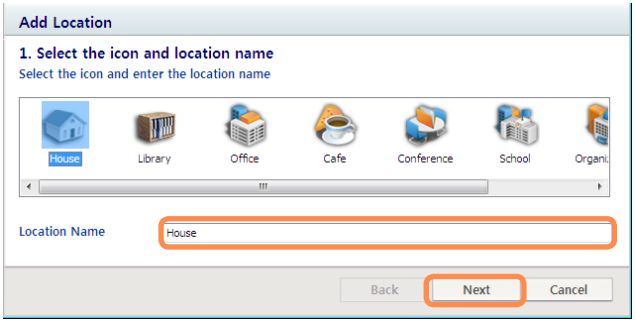
This section describes the procedures to connect to the Internet by setting up a network. The setting up procedures include procedures to add a printer to the network.

1 To use the wireless LAN, press the **wheel button** and set the **Wireless LAN** item of the **MENU** program to **ON** to turn the wireless LAN on. When the wireless LAN is turned on, the **Wireless LAN Operation LED** is turned on.

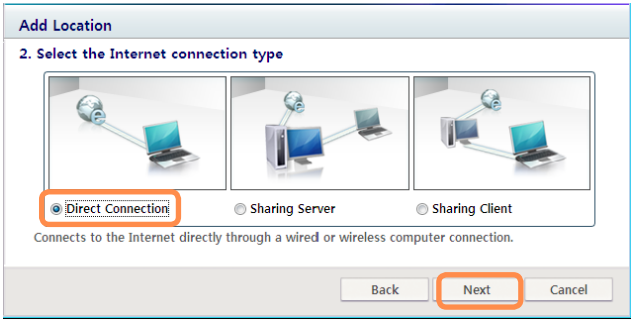
2 Click **Start > All Programs > Samsung > Easy Network Manager > Easy Network Manager**.

3 Click the **Add** button.

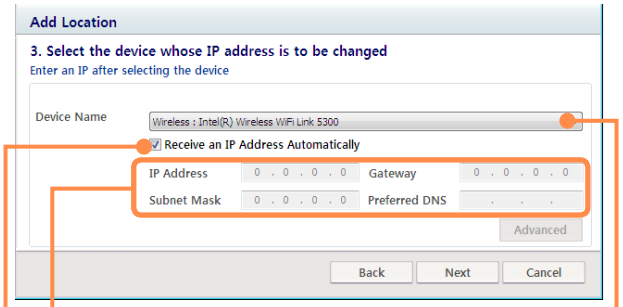
4 Select a network location icon and enter the name of the location (e.g. Home). Click the **Next** button.



5 Select **Direct Connection** and click the **Next** button.



6 Select the LAN device, setup the IP address and click the **Next** button.



Select Device

Select a device to be connected to the Internet. Select either Wired LAN or Wireless LAN.

IP Settings

To use a static IP address, fill in the fields. For the IP address information, ask your network administrator.

Obtain an IP address automatically

Select DHCP to use this option (automatic IP setting).

7 Click **Add Printer** and set up a printer according to the wizard.

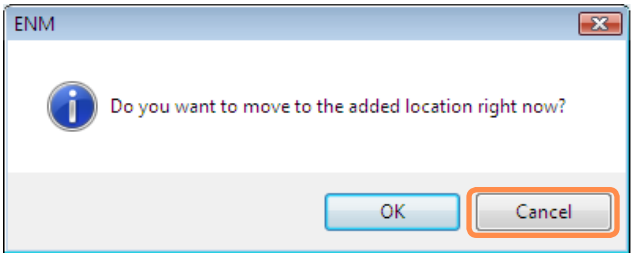
When the printer has been added, click the **Refresh** button, select the newly added printer and then click the **Finish** button.

To not add a printer, click the **Finish** button.

8 When the network settings are complete, the **Do you want to move to the newly added location now?** message appears. Click the **Cancel** button.

An icon for the added location is created. The network settings have been completed.

If you select **OK**, the network settings for the added location are applied.



To add a new location, repeat the procedures from Step 3 above.

Using in Another Location

By configuring the network settings (IP address, printer setting, etc.) for each location, you can immediately access the network in one click, without performing the network setting procedures regardless of your location.

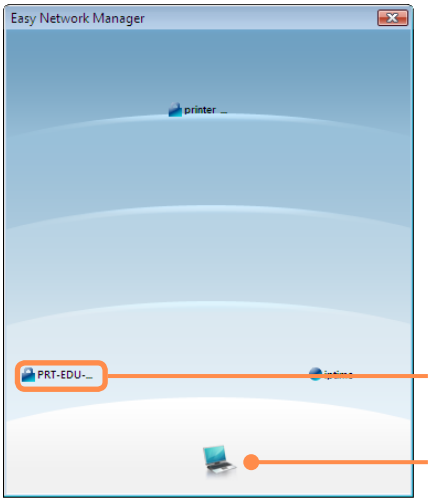
1 Click **Start > All Programs > Samsung > Easy Network Manager > Easy Network Manager** when connected to the Internet.

2 Select an icon that represents the corresponding location from the Saved Locations window and then click **Move**.

3 If the Internet connection is a wired LAN, you can immediately load the settings for the new location and the corresponding network connection information is displayed in the Current Location Information window.

To connect to a wireless LAN, select the **AP Setting** from the menu. The available APs are represented as icons. If you double-click an AP icon to connect to, the computer is connected to the AP through the wireless LAN and you are moved to the corresponding location.

Click the **AP Setting** menu item at the top of the screen and double-click one of the available APs.



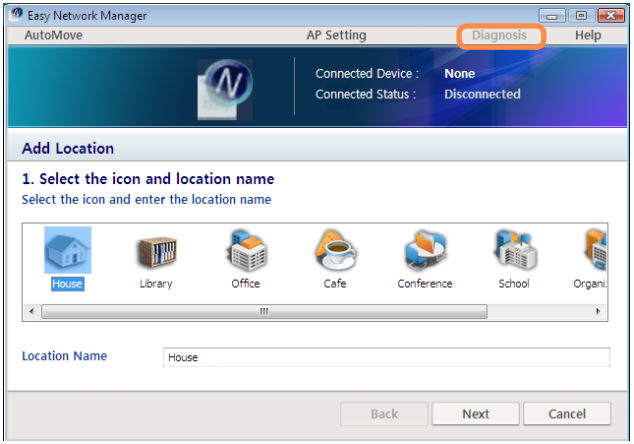
- You can only use the **Wired network** function when you have an Organizer.
- The closer to the PC icon at the bottom of the screen, the stronger the signal from the AP is, while the further from the icon, the weaker the signal strength is.
- If a network key is required, request the key from your network administrator.

Diagnosing the Network Status

You can diagnose the network state and find solutions for why you cannot connect to the network.

1 Launch **Easy Network Manager**.

2 Select **Diagnosis** from the menu.



3 The Network Connections window appears.

Click **Start** to start the network diagnosis.

4 When the diagnosis is complete, a device with a problem is marked by a **X** mark icon with a description of the problem at the bottom of the window.

Bluetooth (Optional)

Bluetooth is wireless communications technology that allows access to nearby devices such as another computer, cell phone, printer, keyboard, mouse, etc. without a cable connection. Using Bluetooth, you can exchange files, connect to the Internet, and construct a private network.

- The Bluetooth function is only available between devices supporting Bluetooth (computers, mobile phones, PDAs, printers, etc.), and the function may be restricted depending on the device profile.
- The Bluetooth function is optional and may not be supported depending on your model.
- Compatibility with a Bluetooth device not certified by a Bluetooth certification or logo is not guaranteed.

Bluetooth Functions

File Transmission	You can exchange files between two Bluetooth devices. You can exchange files with another Bluetooth device such as another computer, cell phone, PDA, etc.
Network Access	You can connect to another Bluetooth-installed computer in the same way as an Ad-Hoc mode in wireless LAN and connect to the network via an AP or an Internet connection sharing server.
Network Access through a Phone Connection	You can connect to the network via a Bluetooth cell phone.
Electronic Business Card (Vcard) Exchange	You can exchange PIMS data (Outlook e-mail address data) and electronic business cards with Bluetooth devices such as mobile phones, PDAs, notebook computers, etc.
Sound Output	You can output computer sound to another Bluetooth device or vice versa.
HID Connections	You can connect and use Bluetooth peripherals such as a keyboard, mouse, joystick, etc.

For more information about using the Bluetooth function, refer to the online help of the Bluetooth Device.

Using Bluetooth

Exchanging Files between Bluetooth Computers

The procedures to transmit files and folders between Bluetooth computers are described below.

1 Double-click the **Bluetooth** icon in the system tray of the Taskbar.

2 When the **Bluetooth Places** window appears, double-click on Search Device to search for surrounding Bluetooth devices.

3 When devices are found, available Bluetooth devices are listed. Double-click the computer onto which you wish to send files, among the found device list.

- You can find the device only when the device to receive files is set as searchable. For more information on the setting, refer to the manual of the corresponding device.
- In this computer, to change the setting, **right-click** over the Bluetooth icon in the Taskbar > select **My Device Properties** > **Accessibility** tab > **"Allow other Bluetooth devices to find this device"**, and change the setting.

4 Double-click on **Bluetooth File Transfer**.

5 Copy the files to be transmitted to the **Bluetooth File Transfer** window and then start the file transmission.

6 After a while, if the **Bluetooth Passkey** window appears on the computer to receive the files, enter the passkey and click **OK** (e.g.1234).

- A passkey (PIN code) is the password used between two devices connected through Bluetooth. You can enter the same number on both devices.
- The Bluetooth Password window or message may differ from above depending on the computer that is receiving the files.
- The Bluetooth Password window may appear on the computer to transmit files first depending on the computers.

7 When the **Bluetooth Passkey** window appears, enter the passkey that you have entered on the computer to receive files and click **OK** (e.g.1234).

Once the paring is done between two computers, the **Bluetooth Passkey** window does not appear.

8 If a message appears asking you if you want to allow access on the computer to receive the files, click **Yes**.

9 The files are copied. When the file transmission is complete, the file reception completion message appears in the Taskbar of the computer that received the files.

Usage Instructions

- Generally, Bluetooth devices deliever stable performance while connected within a 3m(10 ft.) distance.
- For Bluetooth to operate smoothly, use the computer in an open environment with no walls or obstacles in the way and having low radio interference.
- You can connect to only one Bluetooth device at a time for a phone connection, data syncing, electronic business card exchange, FAX transmission/reception, sound related functions, and serial port functions.
- It is recommended using only one Bluetooth device at a time as connecting multiple Bluetooth or other wireless devices at the same time may slow or destabilize the Bluetooth connection.
- Data communications via Bluetooth may be poor when the CPU load is at full capacity or there are insufficient system resources.
- The Bluetooth function of a Bluetooth PDA, mobile phone, mouse or keyboard may be turned off. To use them in connection with a Samsung computer supporting Bluetooth, you must check if the Bluetooth function of the device to connect to is turned on.

  For the procedures on turning on the Bluetooth function of a device, refer to the relevant device manual.
- The services provided by Bluetooth devices may vary depending on their capabilities. For the services provided by the Bluetooth device, refer to the device manual.

Chapter 5.
Using Applications

Introducing Programs 122
CyberLink YouCam (Optional) 125
Samsung Update Plus (Optional) 127
McAfee SecurityCenter (Optional) 129
Using Samsung Magic Doctor (Optional) 134
Reinstalling Software 136

Introducing Programs

Using the software supplied with the Samsung computer, you can easily use functions and troubleshoot problems.

Try to use the software after learning about the basic use of the software. For detailed information, refer to the help section of the corresponding software.

Every software program may not be provided or the version may differ depending on your computer model.

In addition, the screen capture images may differ from actual ones depending on the computer model and software version.

Multi Media Functions

- **CyberLink YouCam (Optional)**
  Using this program, you can easily capture photos and videos with your web camera. CyberLink YouCam makes it more fun to have online video chats or to record videos with live effects. 125

Management Functions

- **Samsung Update Plus (Optional)**
  Samsung Update Plus is a software function that examines and updates the Samsung software and drivers installed on your Samsung computer to the optimal versions. 127

- **McAfee SecurityCenter (Optional)**
  This is a security solution that detects and removes computer viruses and protects the computer from Internet threats. 129

- **Easy Network Manager (Optional)**
  Easy Network Manager is a program that enables you to easily configure the network settings.
  You can configure the network settings for each location and you can also diagnose the network status. 113

- **Easy Battery Manager (Optional)**
  Easy Battery Manager is a power management program that provides easy-to-use power management and power saving settings so that the battery usage time can be extended. 147

- **eGalaxTouch (Optional)**
  eGalaxTouch is a program used to calibrate the Stylus Pen when the pointer position is not correct. 58

Troubleshooting Functions

- **SAMSUNG Magic Doctor (Optional)**

  SAMSUNG Magic Doctor is troubleshooting software provided by Samsung Computer for system diagnosis, and restoring the system.

  The system diagnosis function enables users to diagnose system problems without assistance from others. 134

- **Samsung Recovery Solution (Optional)**

  Samsung Recovery Solution provides a **Restore Function** that enables you to easily restore your computer to a previous, normal state when a problem occurs with your computer, as well as a **Backup Function** that enables you to easily save your computer's current status and your data.

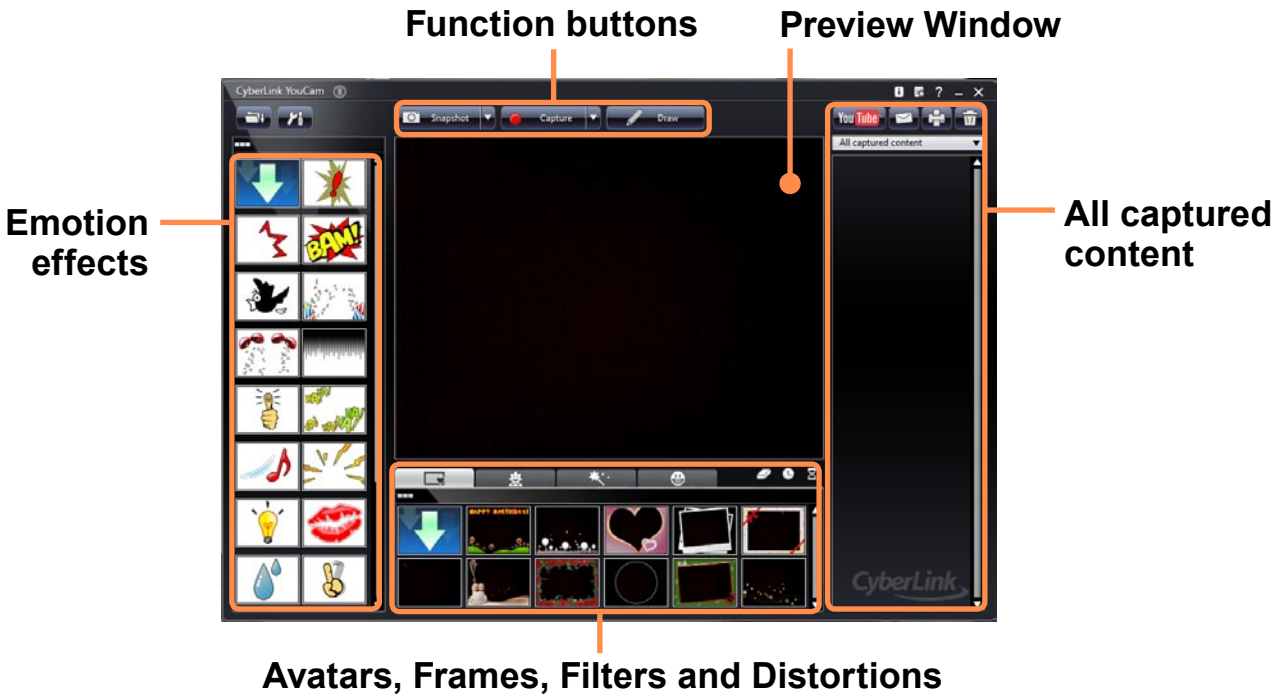
CyberLink YouCam (Optional)

CyberLink YouCam makes it more fun to have online video chats or to record videos with live effects.

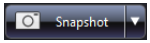
- The program versions described in this manual are subject to change and the screen images and terms in this manual may differ from actual product.
- For more information on how to use the program, refer to the online help.

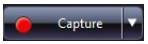
- Do not take pictures or record video of someone without their permission.
- Do not take pictures or record video in locations where photography is prohibited.
- Do not take pictures or record video in locations where you could violate another person's privacy.

1 Double click the **CyberLink YouCam** icon on the Desktop. Or click **Start > All programs > Samsung > CyberLink YouCam > CyberLink YouCam**.

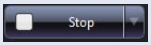


If you click the **settings** button , you can configure the capture, display and document settings.

2 Click the **Snapshot** 

or **Capture** button 

in front of the camera. A snapshot is taken or video starts recording.

- To stop a video recording, click the **Stop** 

button. The recording is stopped.
- By applying several effects or avatars to your photos or videos while capturing, you can make your own contents fun and interesting.

3 You can view your captured photos and videos in the **All captured content** window.

You can view a picture or watch a video by double-clicking it.

Samsung Update Plus (Optional)

Samsung Update Plus is software that examines and updates the Samsung software and drivers installed on your Samsung computer to the optimal version.

- To check for updates and update your computer using Samsung Update Plus, your computer must be connected to the Internet.
- The update search result may differ depending on your computer model.
- The program versions described in this manual are subject to change and the screen images and terms in this manual may differ from actual product.

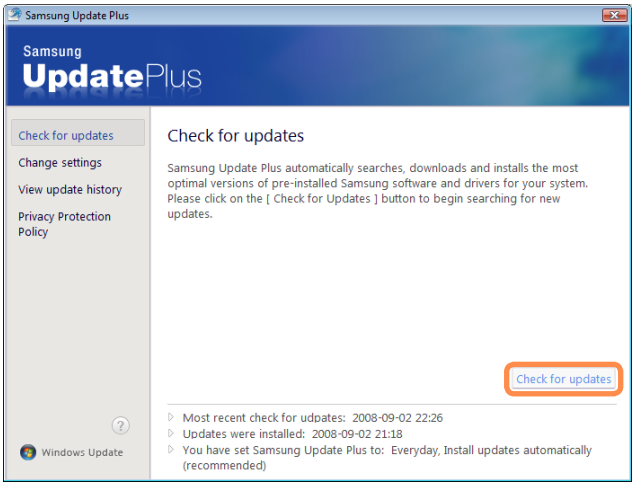
Samsung Update Plus does not provide updates for applications installed after purchasing the computer.

To update the software and drivers

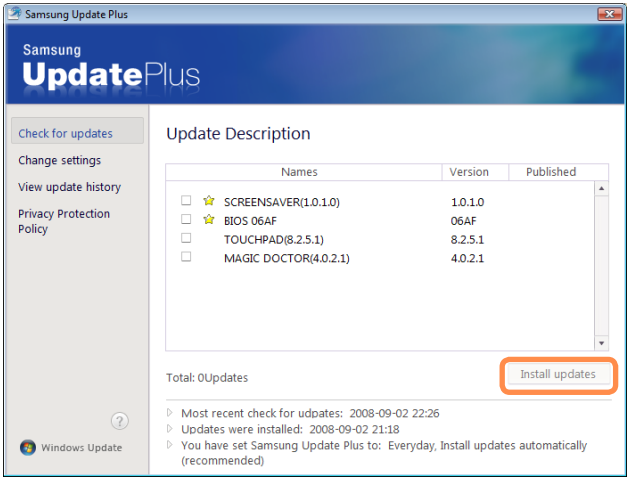
1 Select **Start > All Programs > Samsung > Samsung Update Plus > Samsung Update Plus**.

If this is the first time you are running the program, a window will appear asking you if you agree to the agreement in the window.
Click **Agree** to use this software.

2 If you click on **Check for updates**, new updates are searched for.


Samsung Update Plus
Samsung
UpdatePlus
Check for updates
Change settings
View update history
Privacy Protection Policy
Windows Update
Check for updates
Samsung Update Plus automatically searches, downloads and installs the most optimal versions of pre-installed Samsung software and drivers for your system. Please click on the [Check for Updates] button to begin searching for new updates.
Check for updates
Most recent check for udpates: 2008-09-02 22:26
Updates were installed: 2008-09-02 21:18
You have set Samsung Update Plus to: Everyday, Install updates automatically (recommended)

3 If there are available software or driver updates for your computer, the available updates will be listed. Select the required updates from the list and click **Install Update** to start the update. (The update list on the screen may differ depending on the computer model.)

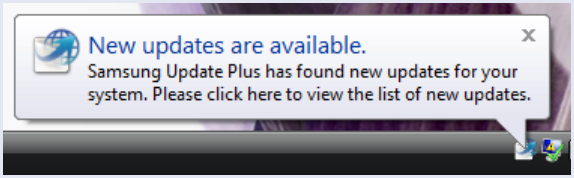


Updates that must be installed separately.

If you select an update item that must be installed separately, a message appears informing you of this. Follow the instruction message to correctly install it.

Automatic update items display

By default, your computer is configured to automatically check for updates. If there is a new update available, this is notified in the notification area. Click the balloon help icon in the notification area. Here you will be able to find the latest available updates.


New updates are available.
Samsung Update Plus has found new updates for your system. Please click here to view the list of new updates.

McAfee SecurityCenter (Optional)

McAfee SecurityCenter (a virus/spyware detection and protection software that includes a firewall function. Hereafter, referred to as “McAfee”) is software that protects your PC from various Internet threats as well as detecting and removing viruses.

- For more detailed information on the program, refer to the McAfee help.
- You can register McAfee when connected to the Internet.
- McAfee software is optional. It may not be supplied for some models or it may be supplied through the McAfee installation icon. When the installation icon is provided, you have to install the program referring to the Installing McAfee section.
- A different anti-virus program may be provided depending on the computer model.

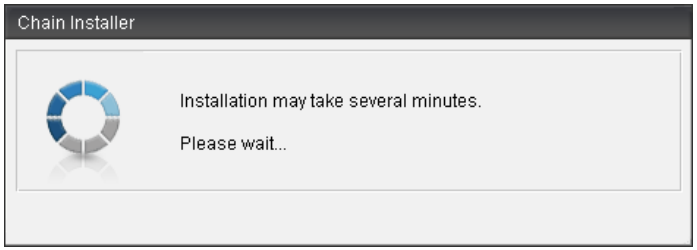
Installing McAfee

For some models, an **Install McAfee Web Essentials** icon is located on the Desktop. In this case, you can install the McAfee software according to the following procedures and then use the McAfee software.

For some models, a **McAfee Security Center** icon is located on the Desktop, since the software is already installed, the installation step is not required.

❶ Double click the **Install McAfee Web Essentials** icon on the Desktop.

❷ The **Chain Installer** window opens and the installation begins automatically. Please wait for a moment.



❸ When the installation is complete, the **Chain Installer** window disappears.

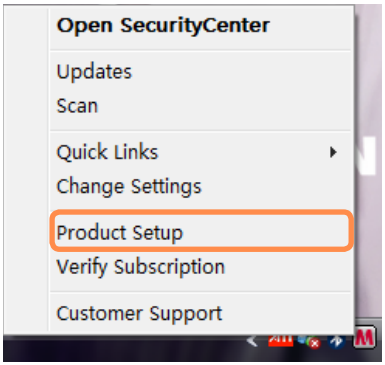
Using McAfee

To use McAfee, user registration is required. If a user is not registered, even though virus inspection is supported, your PC will not be completely protected because the virus information will not be updated with the latest information. The procedures to inspect and heal viruses after the user registration will be described below.

User Registration

1 The **Program Setup** screen appears while booting. Click **Next**.

If the **Program Setup** screen does not appear, right-click over the **McAfee** icon in the Taskbar and then select **Product Setup** from the pop-up menu.



2 The **End User License Agreement** appears.

Check if the country has been correctly selected and then click **Accept**.

3 The **Create New McAfee Account** item appears.

Be sure to fill in all the fields and click **Next**. The **Program Setup Completed** window appears.

If you have already registered with McAfee, click **Login** and enter the registered email address and password to login. The **Program Setup Completed** window appears.

Inspecting and Healing Viruses

The procedures to check if the computer's files or information have been infected by a virus and to heal viruses found by McAfee are described below.

1 Click **Start > All Programs > McAfee > McAfeeSecurityCenter**.

2 Click the **Scan** button on the left side of the program. The **Scan** begins.

At this time, if a virus is found, it is immediately healed during the inspection.

3 If a virus has been found, click **View Results**.

The viruses are listed. Since the corresponding viruses have already been removed, you can use your computer without any concern.

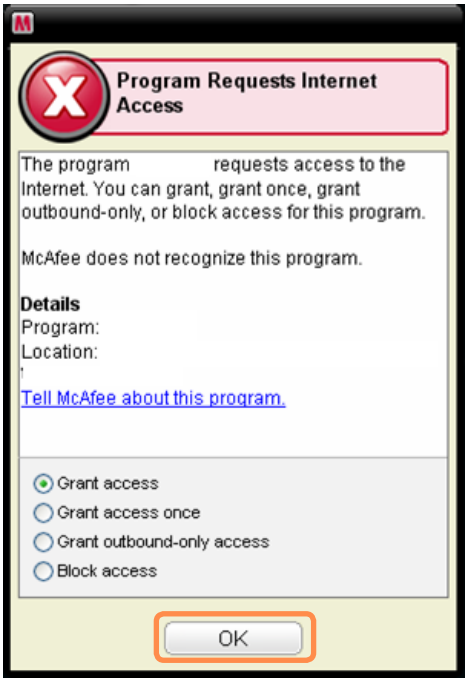
- For possible virus infections (where it is not completely certain), the **Detected** message appears. In this case, the items will be maintained or deleted depending on your decision.
- To deal with new viruses, please always keep McAfeeSecurityCenter up to date. In general, it is automatically updated when connected to the Internet. Alternatively, you can update it manually by clicking **Update** Update after connecting to the Internet.

Configuring the McAfee Firewall

The McAfee Firewall is configured for the product when purchasing the product in order to protect the computer from viruses. However, if the firewall is activated, you may not connect to the network or the Internet properly. In this case, you have to change the settings as follows.

Method 1) When you need to select Allow Access in the Server or Internet Access Request window.

When you connect to a bank, stock market, or gaming website, an access request window appears. In this case, select **Allow Access** in the window and click **OK**. Then you can install the program normally or open the page.


Program Requests Internet Access
The program requests access to the Internet. You can grant, grant once, grant outbound-only, or block access for this program.
McAfee does not recognize this program.
Details
Program:
Location:
Tell McAfee about this program.
Grant access
Grant access once
Grant outbound-only access
Block access
OK

Method 2) When you need to deactivate the Firewall

If you cannot connect to the Internet when using a broadband Internet service, you can connect to the Internal normally if you disable the McAfee Firewall. However, since it may cause a security problem, be careful when doing so.

❶ Double-click the **McAfee Security Center** icon from the Desktop.

❷ Click the **Advanced menu** at the bottom left and click **Configure > Internet&Network**.

❸ Turn the **Internet&Network** at the right to **Off**, set the **Select when to re-enable firewall** to **Never** and then click **OK**.

❹ Click **Home** in the left menu pane and click **Ignore** next to the **'Firewall protection is disabled'** message.

It is recommended activating the Windows Firewall for your computer's safety when you have disabled the McAfee Firewall.

To activate the Windows Firewall, click **Start > Control Panel>Security>Turn Windows Firewall on or off> On(recommended)**.

(When your Control Panel is set to the 'Classic View' of Windows Vista or when you are using Windows XP, click **Start > Control Panel > Windows Firewall > Change Settings > On(recommended)**.)

Using Samsung Magic Doctor (Optional)

Magic Doctor is troubleshooting software provided by Samsung Computer. A user can diagnose system problems via one-click or by selecting diagnostic items.

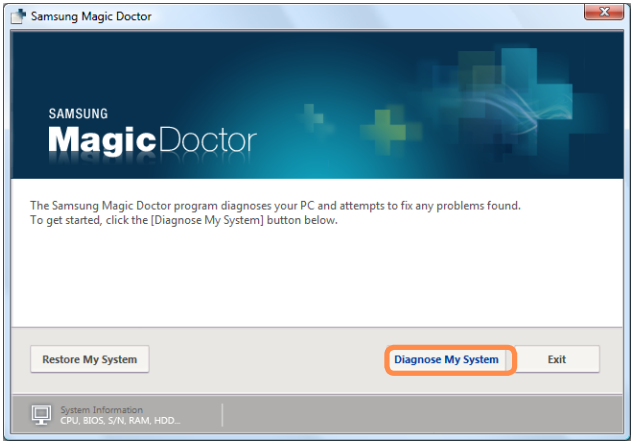
The screens used in this manual may differ from actual screens according to the program version.

Diagnosing the System

Diagnosing the System is a function to check system connections and diagnose problems affecting to system operation and solve it.

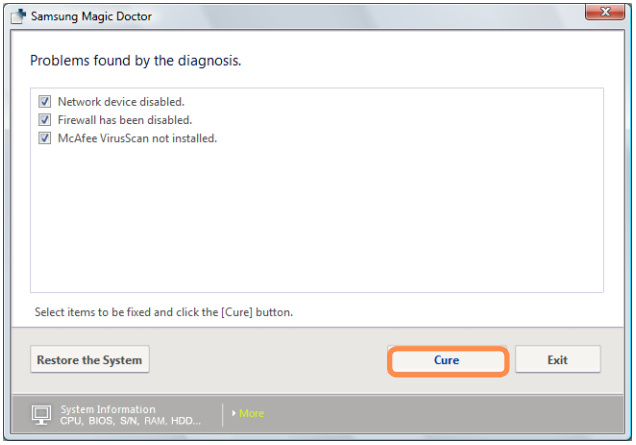
1 Click **Start > All Programs > Samsung > Samsung Magic Doctor > Samsung Magic Doctor**.

2 Click on **Diagnose the System** to start diagnosing the system.


Samsung Magic Doctor
SAMSUNG
MagicDoctor
The Samsung Magic Doctor program diagnoses your PC and attempts to fix any problems found.
To get started, click the [Diagnose My System] button below.
Restore My System
Diagnose My System
Exit
System Information
CPU, BIOS, S/N, RAM, HDD...

3 When the system diagnosis is completed, the diagnostic result appears.

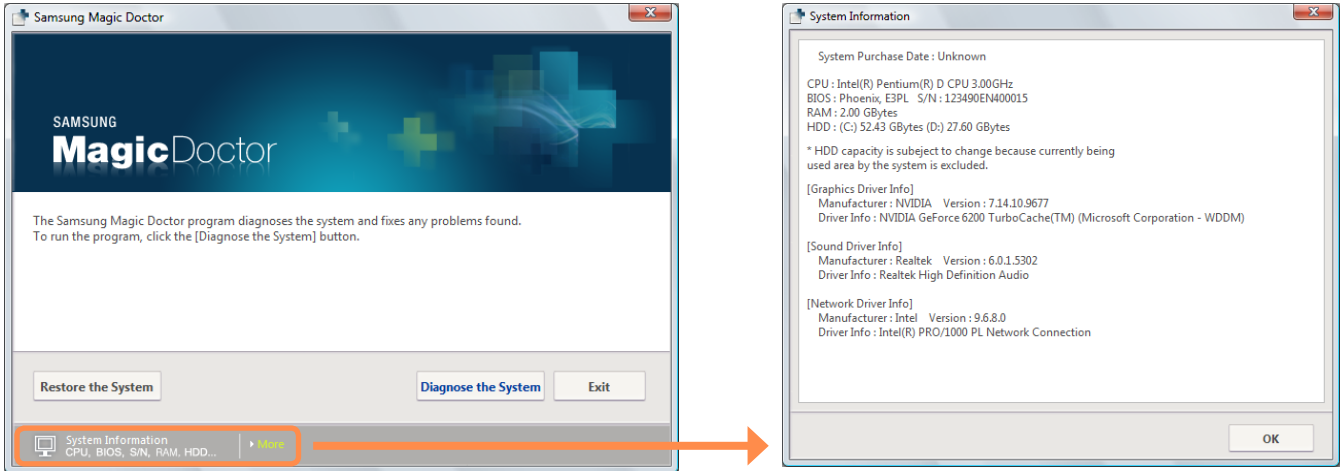
If problems are found, click the **Cure** button to correct the problem. Samsung Magic Doctor starts the corrective operations.



Viewing My Computer Information

You can view detailed information about your computer in Samsung Magic Doctor.

Click on the icon in the shape of a monitor at the bottom of the main program screen to view detailed information about the computer.


Samsung Magic Doctor
SAMSUNG
MagicDoctor
The Samsung Magic Doctor program diagnoses the system and fixes any problems found.
To run the program, click the [Diagnose the System] button.
Restore the System
Diagnose the System
Exit
System Information
CPU, BIOS, S/N, RAM, HDD...
More
System Information
System Purchase Date : Unknown
CPU : Intel(R) Pentium(R) D CPU 3.00GHz
BIOS : Phoenix, E3PL S/N : 123490EN400015
RAM : 2.00 GBytes
HDD : (C:) 52.43 GBytes (D:) 27.60 GBytes
* HDD capacity is subeject to change because currently being used area by the system is excluded.
[Graphics Driver Info]
Manufacturer : NVIDIA Version : 7.14.10.9677
Driver Info : NVIDIA GeForce 6200 TurboCache(TM) (Microsoft Corporation - WDDM)
[Sound Driver Info]
Manufacturer : Realtek Version : 6.0.1.5302
Driver Info : Realtek High Definition Audio
[Network Driver Info]
Manufacturer : Intel Version : 9.6.8.0
Driver Info : Intel(R) PRO/1000 PL Network Connection
OK

Reinstalling Software

You can reinstall software using the System Software Media, when a device driver or computer application is not working properly.

- When software is not working properly, it is recommended removing the software using the Add or Remove Programs of the Control Panel and reinstalling the software using the System Software Media.
- The System Software Media is supplied as a CD or DVD depending on your computer model.
- To use the system software media, **the external USB ODD must be connected** to the computer.
  The following descriptions presuppose that the external USB ODD is connected.

Running the System Software Media

The System Diagnosis function enables users to diagnose the system connectivity, any system problems and resolve these problems.

1 Insert the **System Software Media** into the external USB ODD.

If the Auto Play window appears, select Run **SoftwareMedia.....** in the **Install or Run Program** field.

2 In the **User Account Control** window, click **Allow**.

If you are not logged in with an administrator account, you have to enter an administrator password in the User Account Control window.

3 The **System Software Media** will launch.

Select an instillation option to start the installation.

System Software Media
Samsung
System Software Media
What is SYSTEM SOFTWARE MEDIA?
SYSTEM SOFTWARE MEDIA is a CD/DVD that is provided by Samsung Computers to enable
the easy re-installation of drivers and software in case of system crash.
Standard Installation
Minimum Installation
Custom Installation
Cancel

Standard Installation	If you select this option, programs not currently installed on the computer are listed.
Minimum Installation	If you select this option, programs are listed that need to be installed on the computer (drivers, Windows updates, etc.). **You can conveniently use this option, when you need to install essential programs only.**
Custom Installation	If you select this option, you can select the programs to be installed. **You can conveniently use this option, when you need to install an individual driver or program that is causing a problem.**

Installing Software

As an example, the installation procedures for the **Standard Installation** options are described below.

1 Select **Standard Installation** in the **System Software Media** main screen.

System Software Media
Samsung
System Software Media
What is SYSTEM SOFTWARE MEDIA?
SYSTEM SOFTWARE MEDIA is a CD/DVD that is provided by Samsung Computers to enable
the easy re-installation of drivers and software in case of system crash.
Standard Installation
Minimum Installation
Custom Installation
Cancel

2 If the **Start Standard Installation** window appears, click the **Yes** button.

The drivers and programs, which were installed in the computer when you purchased the computer, are installed again.

3 The **Software installations was completed** window appears.

If you click **Yes**, the computer is restarted.

Chapter 6.
Settings

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Battery 147

BIOS Setup

The BIOS Setup enables you to configure your computer hardware according to your needs.

When configuring the Setup, connecting and using an **external USB keyboard** or **Organizer** (optional) is more convenient.

This manual describes the procedures assuming that an external keyboard has been connected.

The **Wheel button** supports entering Setup, navigating the menu and selecting some items.

- Use the BIOS setup to define a boot password, change the booting priority, or add a new device.
  Since incorrect settings may cause your system to malfunction or crash, take care when configuring the BIOS.
- The functions of the BIOS setup are subject to change for product function enhancement purposes.

The BIOS Setup menus and items may differ depending on your computer model.

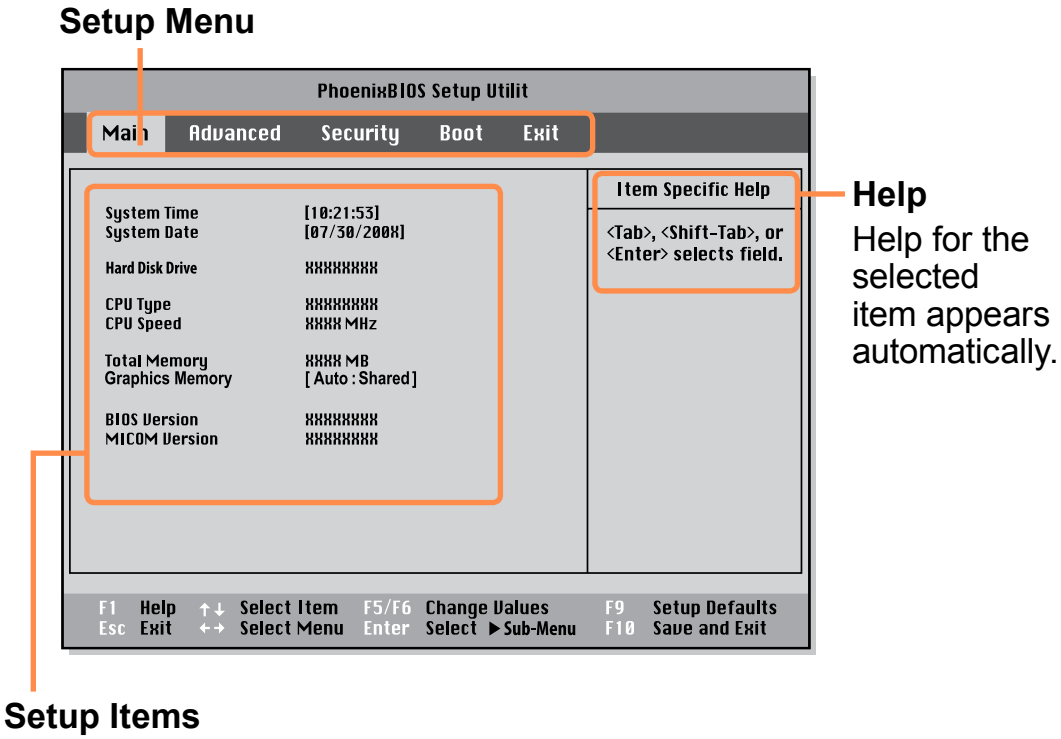
Entering the BIOS Setup

1 Slide the **Power Switch** down. The computer is turned on.

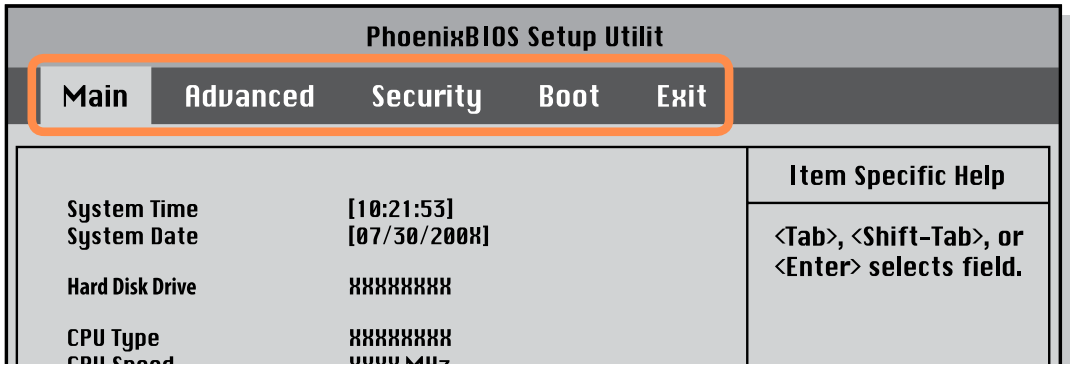
2 When the booting screen (SAMSUNG logo) appears, press the **F2** key to enter the BIOS Setup.

Press the **F12** key while the booting screen(SAMSUNG logo) appears, the system will try to boot from the network.

3 After a moment, the BIOS setup screen appears.
The items in the BIOS setup may differ depending on the product.



The BIOS Setup Screen



Menu	Description
Main	Used to change the basic system and environment settings.
Advanced	Used to configure advanced functions on your computer for devices and chipsets.
Security	Used to configure security functions, including passwords.
Boot	Used to set the boot priority and other boot options
Exit	Used to exit the Setup either saving the changes or not.

System Setup Buttons (Keys)

You can change the Setup configuration by connecting an **external keyboard**.
When an external keyboard is not connected, you can navigate the menu and select some items with the **Wheel button**.

Function	Function Description
To move to the up or down item.	Turn the **Wheel button** up or down or press the **Up** (↑) or **Down** (↓) key on the external keyboard.
To move to another menu.	Select the main menu and turn the **Wheel button** up or down or press the **Left** (←) or **Right** (→) key on the external keyboard.
To select an item or to enter a submenu.	Press the **Wheel button** or press the **Enter** key of the external keyboard.
To move to the high-level menu or to move to the Exit menu.	To return to the high-level menu from a submenu or to move to the Exit menu, press the **Esc** key on the external keyboard.
To view the help.	Press the **F1** key on the external keyboard.
To change an item value.	Press the **F5/F6** key on the external keyboard.
To restore the Setup defaults.	Press the **F9** key of the external keyboard. When no external keyboard is connected, select **Exit > Load Setup Default** from the Setup menu.
To save the Setup configuration.	Press the **F10** key of the external keyboard. When no external keyboard is connected, select **Exit > Exit Saving Changes** from the Setup menu.

Exiting the System Setup

1. Move to **Exit** Menu **> Exit Saving Changes** and press the **Enter** button.
2. Select **Yes** and press the **Enter** button. The System Setup is closed and Windows is started.

Setting a Boot Password

When setting a password, you have to enter a password to use the computer or enter the BIOS Setup.

By configuring a password, you can restrict system access to authorized users only and protect data and files saved on the computer.

- Do not lose or forget your password.
  If you have forgotten your password, contact a Samsung service center. In this case, a service fee will be charged.
- For the setup buttons, refer to the description of 'System Setup Buttons (Keys)'.
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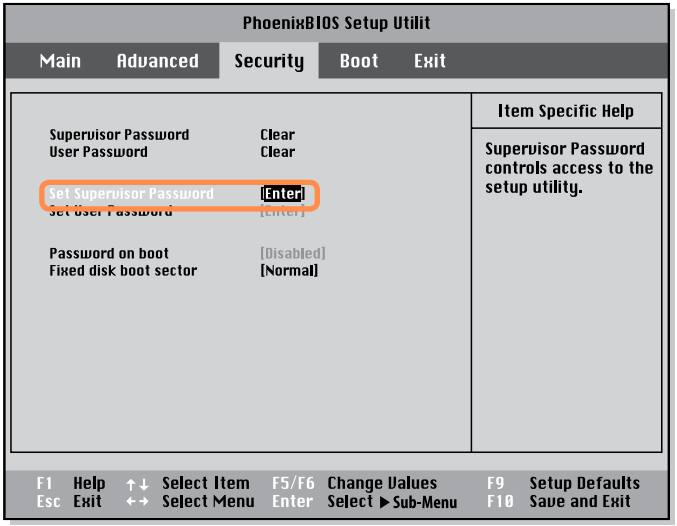
Setting a Supervisor Password

A Supervisor Password is required to turn the computer on or to start the System Setup.

When setting a Supervisor Password, users other than a supervisor cannot use the computer.

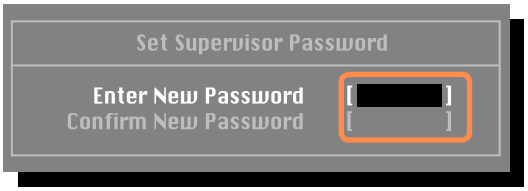
1 Select the **Security** menu in the BIOS Setup.

2 In the **Set Supervisor Password** item, press <**Enter**>.



3 Enter a password, press <**Enter**>, re-enter the password for confirmation, and press <**Enter**> again.

You can use up to 8 alphanumeric characters for a password but you cannot use special characters.



4 When a message confirming the password configuration appears in the [**Setup Notice**] window, press <**Enter**>.

The supervisor password has been set. The supervisor password is required to turn the computer on or to enter System Setup.

Setting a User Password

Users can start the system with a user password, but cannot enter the System Setup. By doing this, you can prevent other users from entering Setup.

Before configuring a user password, a supervisor password must have been configured. Deactivating the supervisor password also deactivates the user password.

In the **Set User Password** item, press <**Enter**> and complete the procedures of Step 3 of Setting a Supervisor Password.

Activating the Booting Password

Before activating the booting password, a supervisor password must have been configured.

Set the **Password on boot** option to **Enabled**. From now on, system booting will not proceed without the password.

Deactivating the Password

1 On the password to be deactivated, press <**Enter**>. For example, to deactivate a supervisor password in the **Set Supervisor Password** item, press <**Enter**>.

2 In the **Enter Current Password** item, enter the current password and press <**Enter**>.

3 Leave the **Enter New Password** item field empty, and press <**Enter**>.

4 Leave the **Confirm New Password** field empty, and press <**Enter**>.

5 In the [**Setup Notice**] window, press <**Enter**>.

The password is deactivated.

Changing the Boot Priority

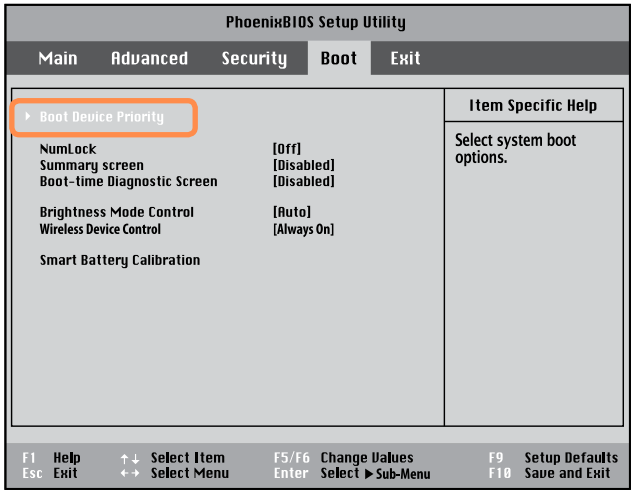
This computer is configured to boot from an external-type ODD first.

This chapter describes how to change the boot priority so that the computer boots from the hard disk drive first.

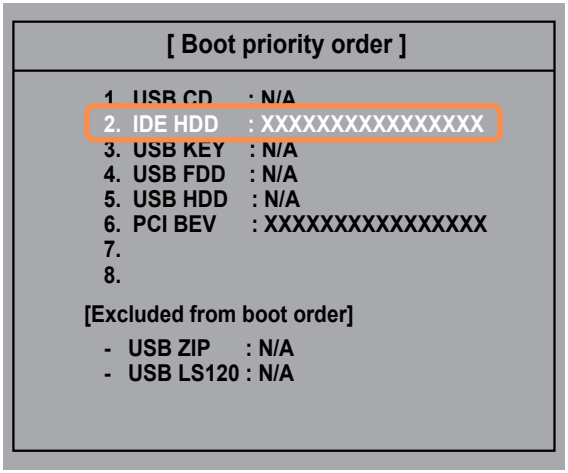
The function is only available when an **external USB keyboard** or **Organizer** (optional) is installed.

1 Select the **Boot** menu in the BIOS Setup.

2 Press <**Enter**> on the **Boot Device Priority** item.



3 Press the down key (↓) to move to the **IDE HDD** item and press the **F6** key to move up to the top item.


[Boot priority order]
1. USB CD : N/A
2. IDE HDD : XXXXXXXXXXXXXXX
3. USB KEY : N/A
4. USB FDD : N/A
5. USB HDD : N/A
6. PCI BEV : XXXXXXXXXXXXXXX
7.
8.
[Excluded from boot order]
- USB ZIP : N/A
- USB LS120 : N/A

4 Press the **F10** key to save the settings and exit Setup.

The highest boot priority device is now set to the Hard Drive.

Battery

Please refer to the following instructions when running the computer on battery power without connecting the AC power.

A Lithium-Ion smart battery is supplied with this computer.

Carefully read and follow the precautions printed on the battery before using the battery.

Precautions

Use only chargers specified in the User Guide.

Never heat the battery pack, put it near or in a fire or use at a temperature higher than 60°C, as this may cause fire.

Never cause a short circuit between the battery pack terminals or disassemble the battery pack.

Carefully read and follow the precautions printed on the battery and the safety instructions in the User Guide before using the battery.

Please refer to the system operation environment (206) of this guide. Operate and store the battery at room temperature.

Installing/Removing the Battery

1 Shutdown the system and place the computer upside down on a flat surface.

2 Lift the Stand up and push the Battery Latch down into the **Release** ( ) position.

Lift the battery up and separate it.

3 To reinstall the battery, align the battery to the outside of the computer and insert the battery.

Lift the battery latch up to the **Lock** (🔒) position and put the Stand down.

When you are unable to insert the battery, check if the battery latch is in the **Release** (🔓) position. If it is in the **Lock** (🔒) position, you cannot insert the battey.

Charging the Battery

1 Attach the battery and connect the AC adapter to the DC-in jack of the computer.

The battery will then start charging.

2 When charging is complete, the Charge LED turns green.

Status	Charge LED
Charging	Amber
Charging complete	Green
AC adapter not connected	Off

Measuring the Remaining Battery Charge

You can view the battery charge status by completing the following procedures.

Viewing through the MENU Program

Press the **Wheel button** to run the **MENU** program.

Confirm the battery icon at the top of the **MENU** program.

To view on the battery

Press the button on the outside of the battery to check the remaining battery charge.

Battery Warning

- You will hear an alarm when the remaining battery charge reaches below 10%.

  In this case, connect the AC adapter or turn off the computer and install a fully charged battery.
- When the remaining battery charge is under 3%, the computer automatically saves the current work and turns off.

Battery Usage Time Information

A battery is an expendable supply, so when using it over a long time, the capacity/battery life is shortened. If the battery life is reduced to under half of its initial time, we recommend purchasing a new battery.

For long periods of not using the battery, keep the battery after discharging it. This extends the battery life time.

Extending the Battery Usage Time

Decreasing the LCD Brightness

Press the **Wheel button** to run the **MENU** program and turn the **Wheel button** down while the Brightness is selected or press to make the LCD brightness dimmer and to extend the battery use time.

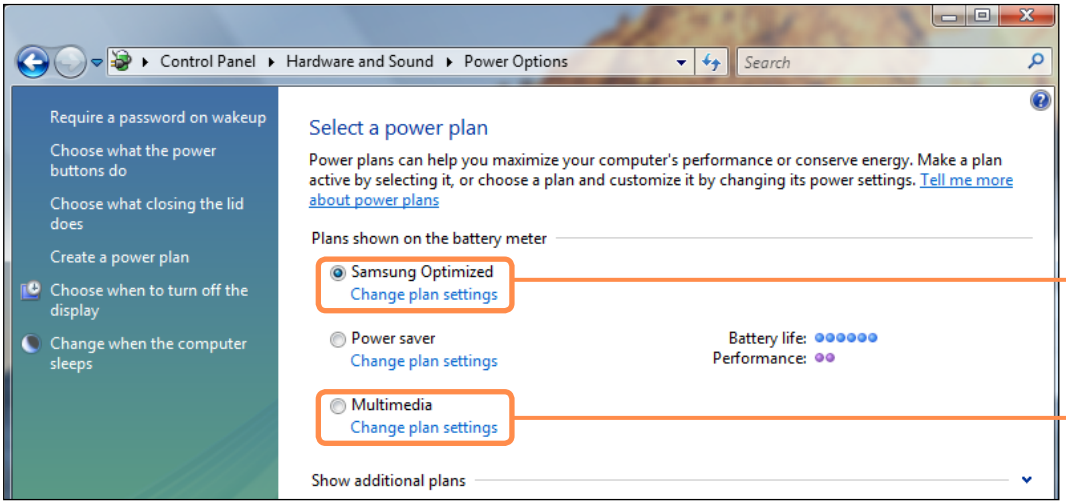
Using Easy Battery Manager (Optional)

Easy Battery Manager is a power management program that enables using the battery power efficiently. You can select an optimized power mode according to your requirements.

Easy Battery Manager is optional and may not be surpported depending on your model.

1. Click **Start > Control Panel > Hardware and Sound > Power Options**.
   Alternatively, right-click the power measuring device icon in the notification area of the taskbar and select **Power Options**.

2. If the following screen appears, select one of the modes.


Control Panel ▸ Hardware and Sound ▸ Power Options
Search
Require a password on wakeup
Choose what the power buttons do
Choose what closing the lid does
Create a power plan
Choose when to turn off the display
Change when the computer sleeps
Select a power plan
Power plans can help you maximize your computer's performance or conserve energy. Make a plan active by selecting it, or choose a plan and customize it by changing its power settings. Tell me more about power plans
Plans shown on the battery meter
Samsung Optimized
Change plan settings
Power saver
Change plan settings
Battery life:
Performance:
Multimedia
Change plan settings
Show additional plans
Samsung Optimized
Multimedia

Samsung Optimized	This mode is appropriate for normal conditions. It maximizes the system performance when the computer is running on AC power while maximizing the battery usage time when the computer is running on battery power.
Multimedia	This mode is appropriate for a multimedia environment that requires maximum system performance. Therefore, the battery usage time may be reduced in this mode.

Using the Easy Battery Manager power options

To use the Easy Battery Manager power options after reinstalling Windows, you have to install the Easy Battery Manager manually using the system software media.

Since power options in Easy Battery Manager aim at maximizing the battery usage time, programs requiring high performance may slow down when using the battery.

In this case, it is recommended connecting the AC adapter or selecting Power Saver.

Using the Battery Calibration Function

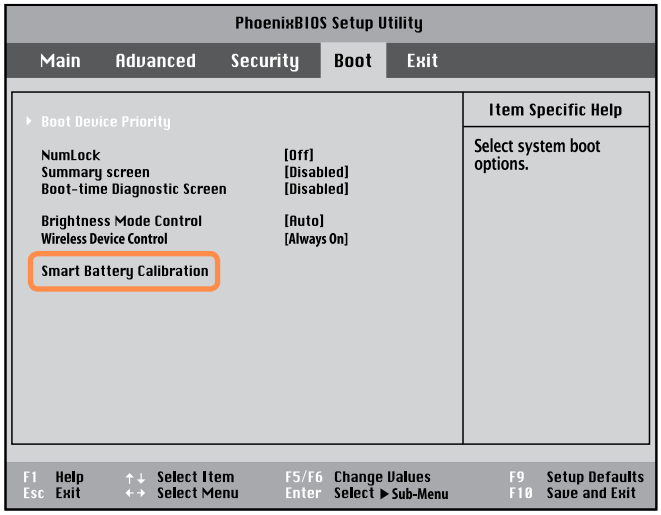
When charging/discharging the battery repeatedly for a short time only, the battery usage time may be reduced by the difference between the actual battery charge and the remaining charge display.

In this case, the actual battery charge and the remaining charge display will be the same by discharging the battery completely using the Battery Calibration function, and then recharging it again.

1 Disconnect the AC power adapter after turning off the computer.

2 Restart your computer and press the **F2** button when the Samsung logo appears, to start the BIOS Setup.

3 Using the arrow keys, select **Smart Battery Calibration** in the **Boot** menu and press **Enter**.



4 Highlight **Yes** in the Battery Calibration Confirmation window and press **Enter**.

The Battery Calibration function is activated and the battery is forcefully discharged. To stop the operation, press the **Esc** button.

This operation requires 3~5 hours depending on the battery capacity and the remaining battery charge.

Chapter 7.
Windows Media Center

About Package Contents and the Program Guide 154

Connecting and Setting Up Media Center 155

Using Media Center 158

Windows Media Center is provided for some versions of Windows Vista only. Therefore, this chapter is for models with Windows Media Center only.

About Package Contents and the Program Guide

About the Package Contents

The package contents of your Samsung computer may differ depending on the computer model.

A TV tuner card is not supplied with the product and is not essential for the Media Center.

However, you can only use the TV function of the Media Center when a TV tuner card has been installed.

About the Program Guide

An electronic TV program guide, the Electronic Program Guide (EPG) is provided by the EPG provider and the contents of the EPG may differ from the actual TV program depending on programming changes by the EPG provider or broadcast station.

The contents of this manual are subject to change for product improvement purposes.

Connecting and Setting Up Media Center

The basic usage of Media Center for Microsoft Windows Vista Home Premium is described below.

The following descriptions assume that an external ODD and an external USB keyboard are connected.

Connecting Devices

- **Connecting to the Internet**

  To view the TV Guide or to move to Media Center sites in Media Center, you have to connect to the Internet.

  Connect the Wireless network or the network cable to the LAN port of the Organizer(Optional).

If the computer is not connected to the Internet, you cannot use the TV Guide (Channel Information) and the Online Spotlight functions.

The **Organizer** is optional. It may be provided for some models only or may have to be purchased additionally.

- **Connecting the TV antenna**

  To use the Media Center TV function, you have to connect the TV antenna to the TV tuner card.

  If your computer has a built-in TV tuner card, connect the TV antenna cable to the TV Antenna Input port.

If you do not have an installed TV tuner card, you cannot use the TV function.

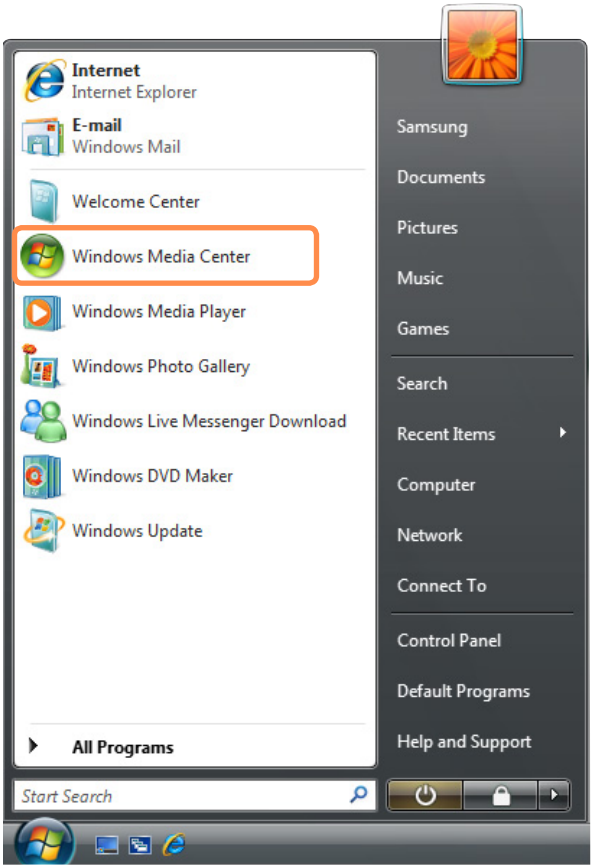
To use the TV function, purchase and install an additional TV tuner card.

Media Center Setup

Connect all necessary devices and setup Media Center. You have to complete the settings to use Media Center.

1 Turn the computer on.

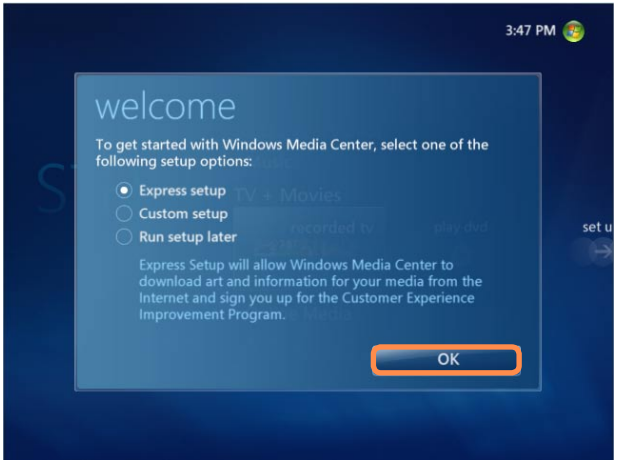
2 Click **Start > Media Center** or **Start > All Programs > Media Center**.



3 If the following start screen appears, select the installation option.

Express Setup enables you to use the basic functions of Media Center when clicking **OK**. However, you cannot use TV and Internet related functions using Express Setup.

Custom Setup allows you to configure all settings including TV and Internet settings. If you click **OK**, the Setup Wizard starts.


3:47 PM
welcome
To get started with Windows Media Center, select one of the following setup options:
Express setup
Custom setup
Run setup later
Express Setup will allow Windows Media Center to download art and information for your media from the Internet and sign you up for the Customer Experience Improvement Program.
OK

To setup the TV or Internet after an Express Setup, select **Tasks > Settings > General > Windows Media Center Setup** in the Media Center start screen and setup the following items.

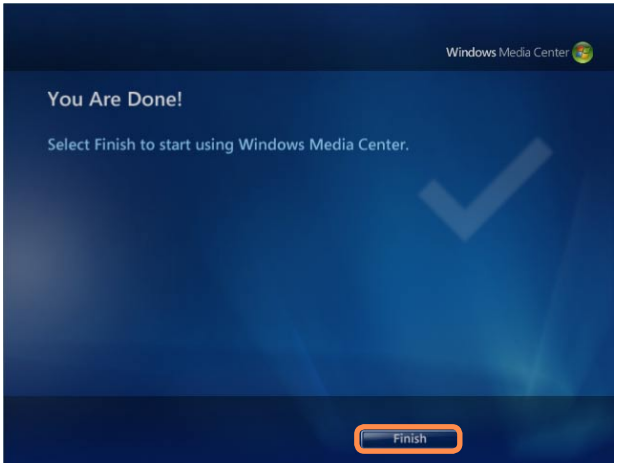
4 If you have selected Custom Setup, continue with the setup according to the Setup Wizard instructions.

If there are no installed TV tuner cards, the TV related setup steps will appear during the Media Center setup.

In addition, if the computer is not connected to the Internet, you cannot setup and use the TV Guide (Channel Information).

5 When the Media Center setup is complete, click **Finish**.

Now you can use the Media Center.



Changing the Media Center settings

You can change the settings by selecting **Tasks** > **Settings** in the Media Center start screen after completing the Configuration Wizard.

Using Media Center

The descriptions of the Media Center start screen and basic functions will be given below.

Start Screen Layout

- If you selected **Run Setup Later** in the Media Center start screen or did not complete the Setup Wizard, the Setup Wizard screen appears when launching Media Center.
- If you complete the setup, the Media Center start screen appears.
- The following descriptions assume that an external ODD and an external USB keyboard are connected.

Click **Start** > **Media Center** or **Start** > **All Programs** > **Media Center**.

Pictures + Videos	You can view pictures, images and video files.
Music	You can listen to music files, audio CDs and the radio.
TV + Movies	You can watch and record TV programs and play DVD titles.
Online Media	You can access all kinds of multimedia content over the internet.
Tasks	You can change the Media Center settings.
Navigation Arrow	If you move the mouse pointer over the arrow, you can navigate through the menu in the up, down, left and right directions.

The Menu and Play Control buttons appear for a moment only when moving the mouse pointer. The Media Player window size decreases if you perform another task after playing a media file.

Pictures + Videos

In Pictures + Videos, you can view pictures and videos registered to the Media Center library.

In addition, you can also view files not registered to the library by registering them, as well as viewing files on a removable disk.

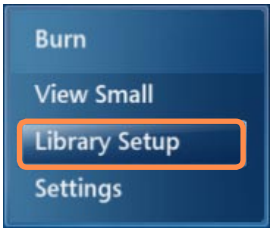
Registering to the Library

The procedures to register files to the library are described below.

1 Launch Media Center, and select **Pictures + Videos > Picture Library** or **Video Library**.

> When you run it for the first time, a LIBRARY SETUP window may appear. In this case, you can add files according to the instructions on the screen.

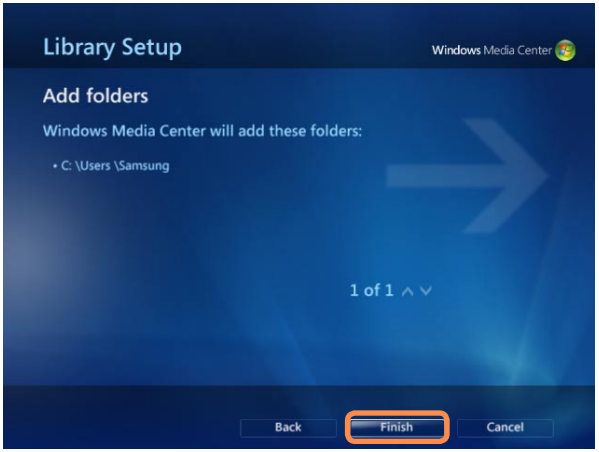
2 In the library menu, right-click and select **Library Setup**.



3 If the Library Setup screen appears, select **Add Folder to Watch**.

4 Specify the path for the folder according to the instructions on the screen.

5 If the following screen appears, click **Finish**. You can view the newly added folder in the Picture Library or Video Library.



Viewing Pictures and Images

The procedures to view pictures and images registered to the library are described below.

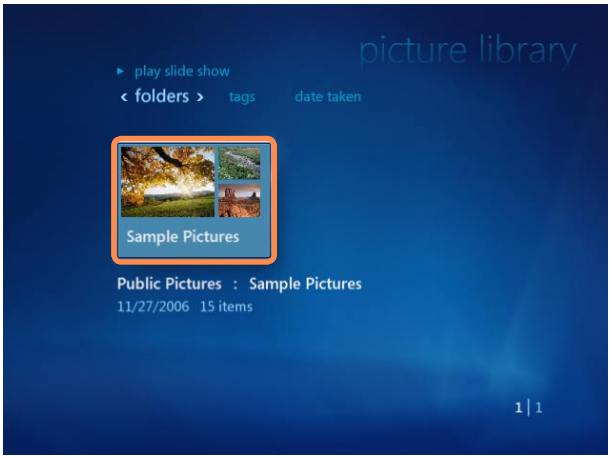
Picture and image files are saved in the **Computer > Local Disk (C:) > Users > User Accounts > Picture Folder** or **Computer > Local Disk (C:) > Users > Public > Public Pictures** folder.

1 Launch Media Center, and select **Pictures + Videos**.

2 Select **Picture Library**.

When you run it for the first time, the **Setup Library** window may appear. In this case, click the **No** button.

3 Select a folder with picture files.



4 If you select a picture, the picture is displayed in full screen.

You can view another picture by using the Play Control buttons or the direction buttons on the keyboard.

5 To view pictures in a SlideShow, click on **Play SlideShow**.

Alternatively, select **Pictures + Videos > Play All**. Then the pictures in the registered folder are displayed in a random order.

Viewing Videos

The procedures to view videos registered to the library are described below.

Video files are saved in the **Computer > Local Disk (C:) > Users > User Accounts > Video Folder** or **Computer > Local Disk (C:) > Users > Public > Public Video** folder.

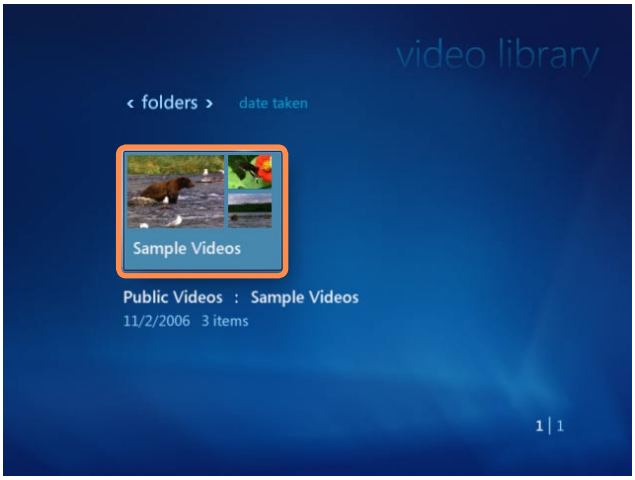
1 Launch Media Center, and select **Pictures + Videos**.

2 Select **Video Library**.

When you run it for the first time, the **Setup Library** window may appear. In this case, click the **No** button.

3 Select a folder with video files.

If you select a video file, the video file is played.



Viewing Pictures and Videos Saved on Removable Media

The procedures to view pictures, images and videos saved on removable media in Media Center are described below.

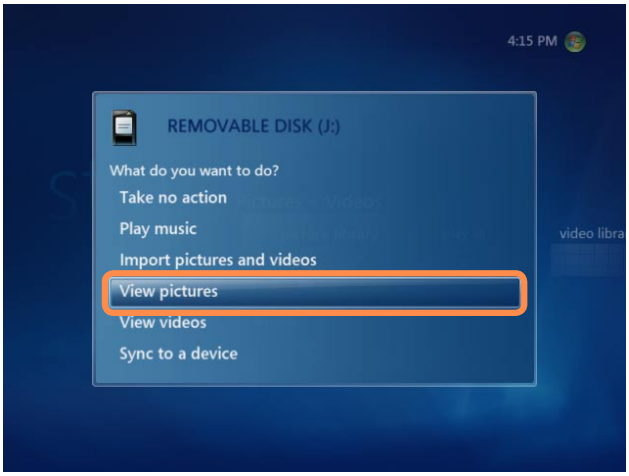
1 Launch Media Center.

2 Insert a removable media with picture, image or video files.

Removable media refers to a CD, DVD, USB flash memory, memory card, etc.

To view pictures saved on a digital camera, connect the digital camera and the computer using a USB cable.

3 After a while, a window notifying you that new media has been found appears. Select **View Pictures** or **View Videos**.



4 If the file list appears, select a file.

5 View the picture or video.

Music

In Music of Media Center, you can play music files or audio CDs. In addition, you can rip the tracks of an audio CD onto the computer and play them later individually or by using a playlist.

Playing an Audio CD

1 Launch Media Center.

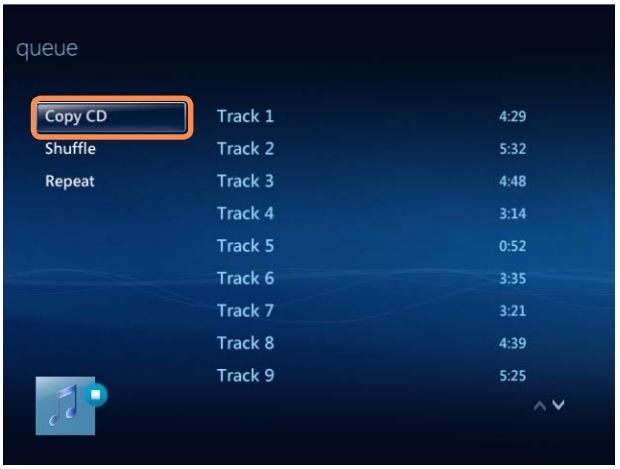
2 Press the Eject button of the CD-ROM drive to open the CD tray and insert an audio CD. The tracks on the CD are played automatically.

Ripping an Audio CD

1 Launch Media Center.

2 Insert an audio CD into the CD-ROM drive and play the CD.

3 Select **Copy CD** at the bottom left of the Music Player window.



When running the Rip CD function for the first time, the Ripping Options appear. Configure the ripping options according to the instructions on the screen, and complete the following procedures. From the second time the program is run, the setup options are omitted.

4 If the Rip CD window appears, click **Yes**.

5 Ripping a CD begins by showing rotating CD icon on the right side that indicates ripping a CD is in progress. When ripping is complete, the ripping CD complete message appears.

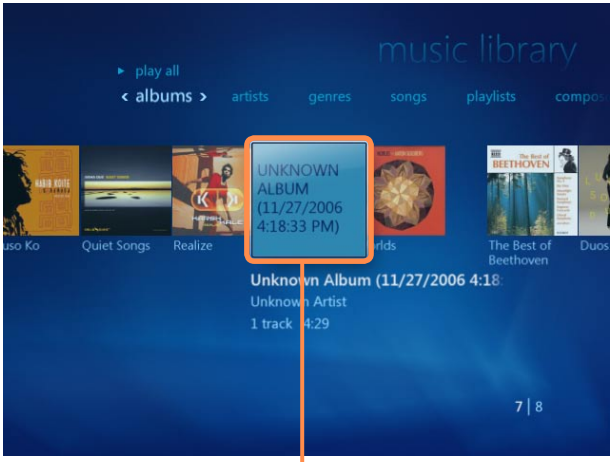
The ripped tracks are displayed in the **Music > Music Library** of Media Center and in the **Library** of Windows Media Player. The ripped tracks are copied to **Start > Music** of the Desktop as album files.

To change the folder to save the ripped tracks to, launch Windows Media Player and right-click over the top taskbar and select **More Options > Rip Music > Rip music to this location** from the pop-up menu.

Playing Ripped Tracks

1 Launch Media Center, and select Music.

2 If you select **Music Library**, the album list appears including the ripped album.



Ripped music albums

3 Select an album to be played and click **Play Album** in the left pane.

4 The album is played.

Using Playlists

You can easily create, manage and play a playlist with ripped music albums and music files downloaded from the Internet.

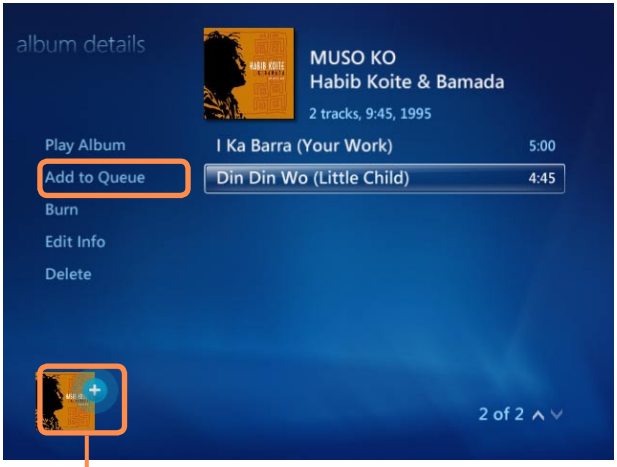
1 Launch Media Center, and select **Music > Music Library**.

2 You can search for a music file by selecting the album, artist, genre or song at the top.

If you select **Playlist > All Music**, all registered music files are listed.

3 Select the music files to be added to the playlist and click **Add to Queue** in the left pane.

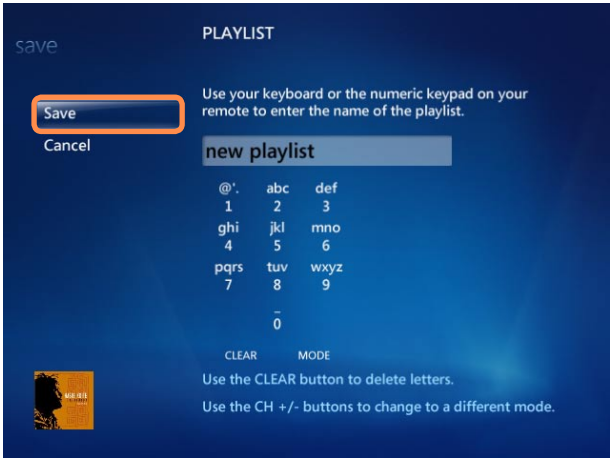
4 The + mark starts blinking at the bottom left of the Media Player window and disappears the selected music files are added to the queue.



Media Player Window

5 Select the Media Player window at the bottom left and click **View Queue**.

6 Select **Save As Playlist**, enter a playlist name and select **Save**.



7 To play the saved playlist, select **Media Center > Music Library > Playlist**, select a playlist and click **Play**.

- **If a music file appears in the Media Center even after the file has been deleted**

  If you deleted a music file, you must also manually delete the file from the Media Center playlist.

- **Deleting a playlist from Media Center**

  Select **Media Center > Music Library > Playlist**, select a saved playlist and click **Delete**. Then the selected playlist is deleted.

TV + Movies

The TV function is only available when a TV tuner card is installed on your computer.

TV + Movies Menus

Live TV	You can watch live TV programs.
Recorded TV	You can watch recorded TV programs.
Guide (TV Broadcast Program Guide - EPG)	You can view the TV program guide. You can watch or record live TV programs and reserve a recording.
Play DVD	The DVD title appears.
Search	You can search for a program by the title, keyword or genre.

What is a TV Program Guide - EPG?

An Electronic Program Guide (EPG) is a TV program guide. You can select a program and view detailed information on that program or easily reserve a recording. The guide information is updated by Media Center more than once a day.

Watching TV

1 Launch Media Center and select **TV + Movies**.

2 Select **Live TV** or **Guide** from the menu.

- **When Live TV is selected**

  A TV program is played immediately. Switch to the channel you want to start watching it.

- **When Guide is selected**

  When the Guide List is displayed, select a program currently being broadcast. The program on the selected channel is displayed.

Programs that are being broadcast are represented in white and programs that have been broadcast or will be broadcast are represented in blue.

Switching channels

- Select a channel from the Guide.
- Moving the mouse will display the play control buttons. Click the ch+ or ch- buttons to switch channels.

Using the play control buttons while watching TV

Moving the mouse will display the play control buttons. Select Pause, Play, Fast Forward, Rewind or Skip according to your requirements.

Recording a TV Program

The procedures to record the current program and reserve a recording will be described below.

- **Recording the current program**

1 Moving the mouse will display the play control buttons. When the play control buttons appear, click the **Record** button.

A red dot appears indicating that a recording is in progress and the recording begins.

2 To stop the recording, right-click and select **Stop Recording** from the pop-up menu.

Alternatively, move the mouse and double-click the **Record** button.

- **Recording or reserving a recording in the Guide**

1 Launch the Media Center and select **TV + Movies**.

2 Select **Guide** from the menu.

3 Move to a program to be recorded.

Right-click over a program to be recorded and select **Record**. A red dot appears over the program list.

- If the selected program is scheduled to be broadcast later, the recording is reserved.
- **Recording a series**.
  Right-click over a program to be recorded and select **Record Series**. The Series Recording Indicator appears.

When the set time arrives, the computer automatically wakes up from Sleep mode and starts recording.

To re-enter Sleep mode after completing a reserved TV recording, exit Media Center when leaving the computer. A reserved TV recording is conducted regardless of whether Media Center is executed or not.

Watching a recorded program

Recorded files are saved in the **Computer** > **Local Disk (C:)** > **Users** > **Common** > **Recorded TV** folder.

1 Launch Media Center and select **TV + Movies**.

2 Select **Recorded TV** from the menu.

3 Select a program you want to watch in the following window.

4 Double-click the program list or right-click and select **Play**.

The selected recording is played.

Playing a DVD

The procedures to watch a DVD title are described below.

1 Launch Media Center.

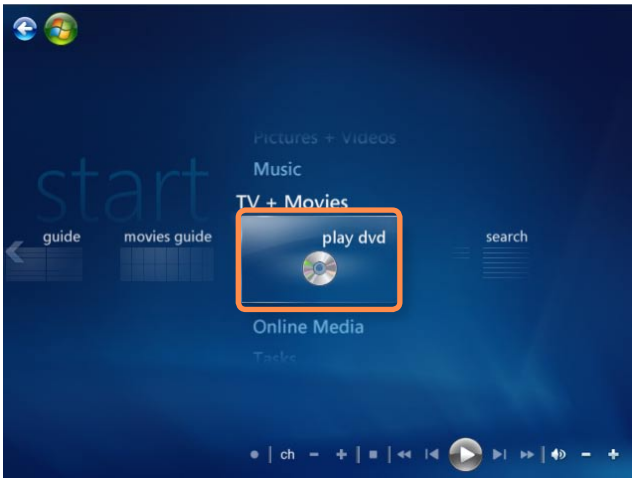
2 Press the Eject button of the DVD drive to **open** the tray and insert a DVD title.

If you insert a DVD title without starting Media Center, the Auto Play selection window appears.

Select **Play DVD Video using Media Center** and click **OK**.

3 After a moment, the DVD menu is displayed.

It the DVD menu is not automatically displayed, select **Play DVD** in the start screen.



4 Select **Watch Movie** or **Play** from the DVD menu.

The DVD title is played.

If you move the mouse, the Play Control buttons appear. Using the Play Control buttons, you can play the DVD from a particular point or stop playing the DVD.

Online Media

You can access more online content through Online Media.

Online Media is a service provided by content providers via the Media Center. You can enjoy all kinds of multimedia content such as movies, news, sports, etc. over the Internet.

- To use Online Media, your computer must be connected to the Internet.
- For problems encountered while using Online Media, contact the corresponding online service provider. Online Media content services are not the responsibility of the computer manufacturer.

Chapter 8.
Appendix

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Reinstalling Windows Vista

You can reinstall Windows using the **System Recovery CD** for Windows Vista when Windows is no longer working properly. (For models supplied with a System Recovery CD.)

For models supplied with the Samsung Recovery Solution, you can reinstall Windows using the Samsung Recovery Solution.

- A **System Recovery CD** may not be supplied depending on your computer model.
- To install Windows, an **external-type ODD** and a **USB keyboard** are required. The following descriptions assume that an external ODD and an external USB keyboard are connected.

  Connect the external-type ODD and USB keyboard before turning the computer on. If you connect a USB keyboard during the installation, the computer will fail to recognize the USB keyboard.
- If you cannot start Windows, or if you want to delete all existing data and reinstall Windows, install Windows according to the descriptions in **[Reinstalling when Windows does not start]**.
- The manual describes procedures on the basis of Windows Vista Home Premium. Some pictures may differ from actual product.
- Since Windows Vista may be upgraded to increase performance, some of the installation procedures may differ depending on the Windows Vista version. This guide describes how to reinstall Windows on the basis of the latest version, Windows Vista SP1.

Reinstalling Windows may delete data (files and programs) saved on the hard disk drive.

Make sure to backup all important data. Samsung Electronics shall not be held liable for any loss of data.

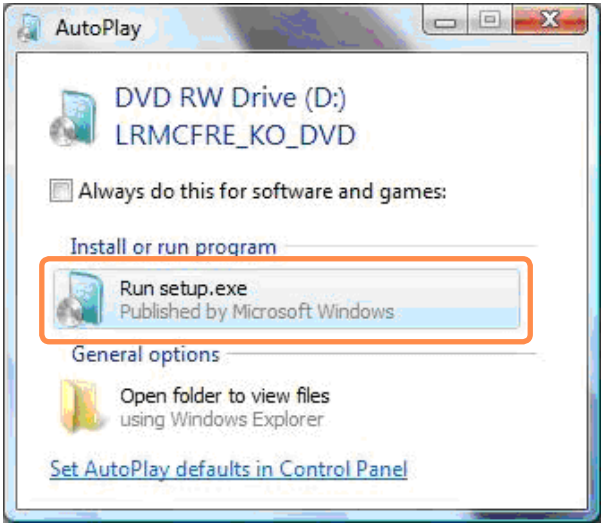
Reinstalling in Windows

- **Preparation**

1. Connect an external-type ODD through the **USB Port** of the computer.
2. Connect the **external-type USB keyboard**.
3. Turn the computer on to boot up Windows.

1 Insert the **System Recovery CD** into the external USB ODD.

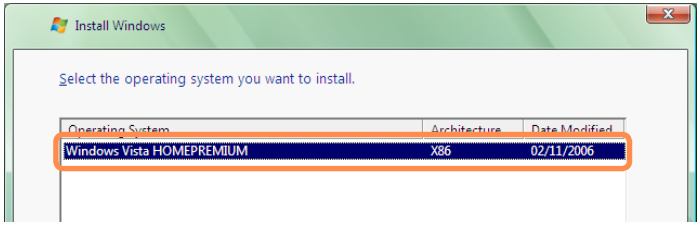
2 When the **AutoPlay** window appears, select **Run setup.exe** and click **Allow**.



3 Since the installation step may differ depending on the Windows Vista version, continue the installation according to the following descriptions.

- **3-1 If a window appears which allows you to select the operating system to install,**

click **Next**. Step 4 follows.



The operating system name may differ depending on the Windows version.

- **3-2 If the Select Windows Installation window appears (for Windows Vista SP1),**

  click **Install Now**. When the Select Update window appears, click on the relevant item.

Install Windows
Windows Vista
Check compatibility online
Install now
What to know before installing Windows
Transfer files and settings from another computer
Copyright © 2007 Microsoft Corporation. All rights reserved.

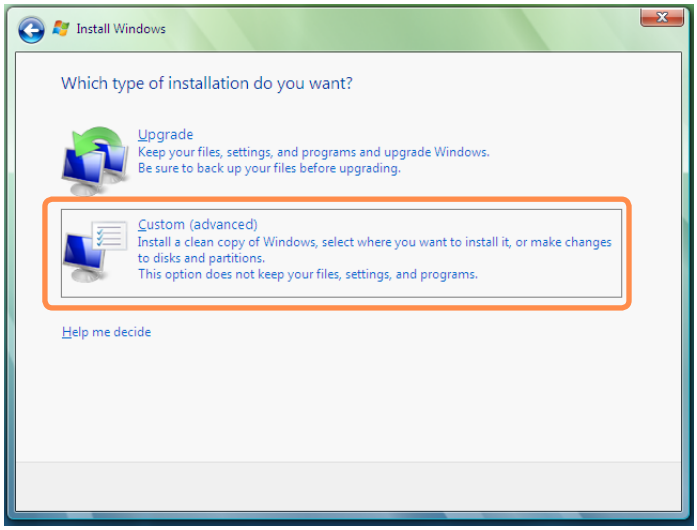
If you select **Go online to get the latest updates for installation** in the Select Update window, the latest updates are installed and Step 4 follows. At this time, the computer must be connected to the Internet.

4 If the User Agreement screen appears, select **I accept the license terms** and then click **Next**.

- **For Windows Vista SP1, the following window appears. In this case, select an installation option.**

  If you click **Custom**, Steps 5 to 12 are continued sequentially.

  If you click **Upgrade**, Step 6 begins. After that, proceed to Step 11.


Install Windows
Which type of installation do you want?
Upgrade
Keep your files, settings, and programs and upgrade Windows.
Be sure to back up your files before upgrading.
Custom (advanced)
Install a clean copy of Windows, select where you want to install it, or make changes to disks and partitions.
This option does not keep your files, settings, and programs.
Help me decide

Custom

Select this option to **Reinstall Windows**. You have to reinstall all necessary device drivers and programs after the Custom installation. In addition, unnecessary folders and files may remain on the hard disk drives after the installation (e.g. C:\Windows.old, etc.).

Upgrade
Select this option to **Upgrade Windows** while maintaining current files, configurations and programs. Although you therefore do not need to reinstall the device drivers and programs, some programs may not work properly after the upgrade.

5 When a window appears asking for the location to install the operating system to, select a disk drive partition and click the **Next** button.

Drive D includes an area to save the backup image used by Samsung Recovery Solution. Installing Windows to drive C is recommended.

When previous Windows installation files are in the selected partition, a message appears informing you that the files and folders will be moved to the Windows.old folder. Click the **OK** button.

6 The Windows installation continues.

The computer will restart 3 times during the installation. If the **Press any key to boot from CD or DVD...** message appears after a restart, do not press any button.

7 The **Windows user registration** screen appears. Select the username and photo and click the **Next** button.

8 Enter the **computer name**. The window in which you can select the Desktop background appears.

Enter the contents and click the **Next** button.

9 The **Windows automatic protection settings** window appears.

Configure the setting according to your requirements.

10 The **time and date settings** window appears.

Click the **Next** button.

11 The **Registration Complete** window appears.

If you click the **Start** button, a computer specifications check begins.

12 After a while, the Windows Desktop appears.

When Windows is launched, install the device drivers and applications according to your requirements using the **System Software Media**.

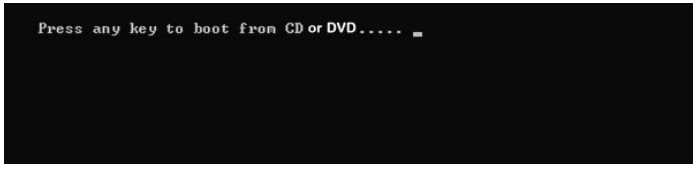
Reinstalling when Windows does not start

When Windows does not start, boot up with the **System Recovery CD** and from there you can reinstall Windows.

To install Windows, an **external-type ODD** and a **USB keyboard** are required. **Connect the external-type ODD and USB keyboard before turning the computer on. If you connect a USB keyboard during the installation, the computer will fail to recognize the USB keyboard.**

1 Insert the **System Recovery CD** into the external USB ODD and restart the computer.

2 If the **Press any key to boot from CD or DVD...** message appears while booting, press any key on the keyboard.



3 After a while, the Options windows such as Language, Time, Keyboard, etc. appear. Confirm the settings and click the **Next** button.

4 Since the installation step may differ depending on the Windows Vista version, continue the installation according to the following descriptions.

- **If a window appears which allows you to select the operating system to install,**

  click **Next**. Step 5 appears.

The operating system name may differ depending on the Windows version.

- **If the Select Windows Installation window appears (for Windows Vista SP1).**

  Click **Install Now**.

5 If the User Agreement screen appears, select **I accept the license terms and** then click **Next**.

- **For Windows Vista SP1, a window where you can select an installation option appears.**

  In this case, click **Custom.**

6 When a window appears asking for the location to install the operating system to, select the partition of the disk drive and then click the **Next** button.

Drive D includes an area to save the backup image used by Samsung Recovery Solution. Installing Windows to drive C is recommended.

- A If you click **Drive Options (Advanced)**, you can delete, format, create or expand a partition. Click on a function and proceed according to the instructions on the screen.
- When previous Windows installation files are in the selected partition, a message appears informing you that the files and folders will be moved to the Windows.old folder. Click the **OK** button.

7 The subsequent steps are the same as those for **Reinstalling in Windows**.

Using Samsung Recovery Solution (Optional)

Samsung Recovery Solution provides a **Restore Function** that enables you to easily restore your computer to a previous, normal state when a problem occurs with your computer, as well as a **Backup Function** that enables you to easily save your computer's current status and your data.

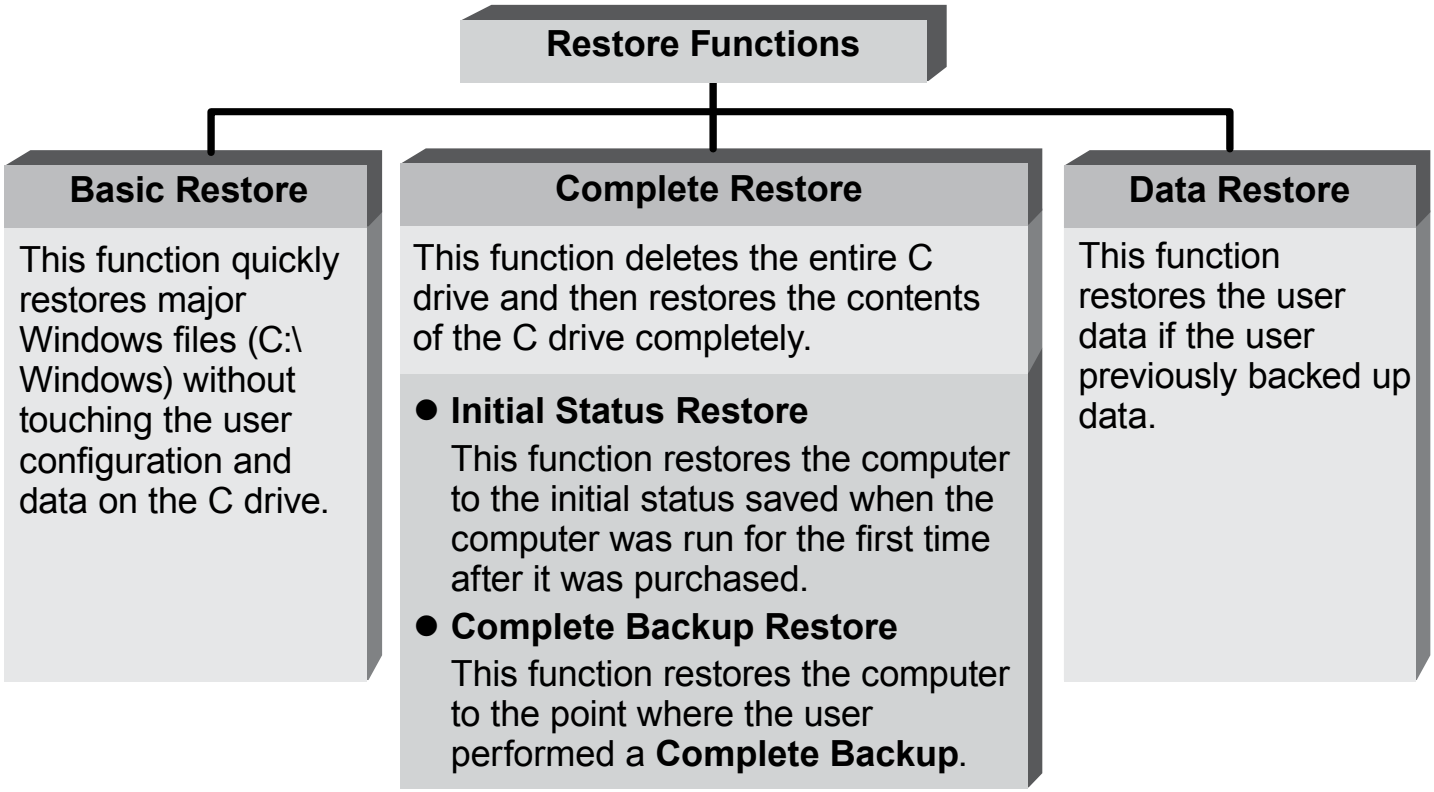
- Samsung Recovery Solution may not be provided or the version may differ depending on your computer model and the usage procedures may differ depending on the version. The screen images in this document may differ from actual ones.
- For models with an SSD (Solid State Disk), Samsung Recovery Solution is not provided.
- To use the backup and restore function to DVD, an external ODD must be connected. The following descriptions assume that an external ODD is connected.
- To use Samsung Recovery Solution, an external-type ODD and a USB keyboard are required.

  The following descriptions assume that an external ODD and an external USB keyboard are connected.

Samsung Recovery Solution Functions

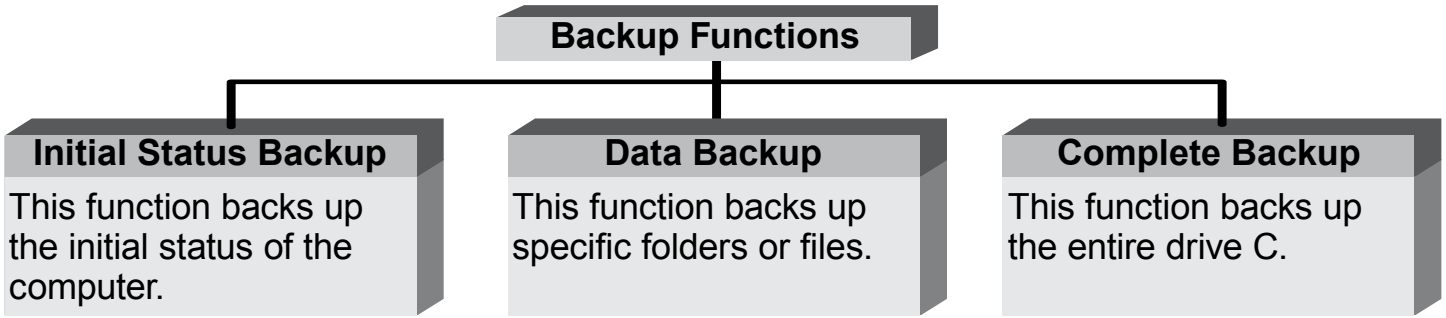
Restore Function

Using this function, you can easily restore your computer to a previous, normal state without using the System Recovery CD or the Windows Installation CD, when your computer is no longer working properly or fails to boot up due to a problem. If you have backed up data, you can restore the backup data.


Restore Functions
Basic Restore
This function quickly restores major Windows files (C:\ Windows) without touching the user configuration and data on the C drive.
Complete Restore
This function deletes the entire C drive and then restores the contents of the C drive completely.
● Initial Status Restore
This function restores the computer to the initial status saved when the computer was run for the first time after it was purchased.
● Complete Backup Restore
This function restores the computer to the point where the user performed a Complete Backup.
Data Restore
This function restores the user data if the user previously backed up data.

○ Backup Function

You can backup the entire C drive or all your data to **another hard disk drive** or **DVD**. You can restore the backed up drive or data using the Restore function.


Backup Functions
Initial Status Backup
This function backs up the initial status of the computer.
Data Backup
This function backs up specific folders or files.
Complete Backup
This function backs up the entire drive C.

Using Samsung Recovery Solution

Not only can you use Samsung Recovery Solution when Windows is running, but also when you are unable to boot up into Windows. Let's learn how to use Samsung Recovery Solution.

Initial Status Backup

If you turn your computer on for the first time, the Initial Status Backup function is performed after registering Windows. This function saves an image of the Initial Status of the C drive to a secure location so that users can restore the computer to the Initial Status using the Complete Restore function. An Initial Status Backup is only performed once immediately after the computer is purchased.

1 If you turn the power on for the first time, the Register Windows screen appears. If you register Windows according to the instructions on the screen, the computer will be restarted.

2 When the computer has been restarted, the User Registration Complete message appears. Click **OK**. The computer will restart.

3 The **Initial Status Backup** screen appears.

To resize the C and D drives, click **Advanced** and partition the disk accordingly. Adjust the partition size using the slide bar and then click **Next**.

> The partition disk function is only available when the computer is turned on for the first time and will not be available afterwards. Once you have completed the partitions, you cannot resize the partitions. Therefore partition the disk carefully.

4 The Initial Status Backup is performed to backup the initial status of the C drive to a secure location. This backup image is used for the **Complete Restore** function that restores your computer to the initial status when the computer is not working properly.

5 When the Initial Status Backup is complete, restart Windows.

Quick Restore

Quick Restore enables you to easily restore your computer to a previous, normal state when a problem occurs with your computer. Quick Restore provides Basic Restore and Complete Restore (Computer Initial Status Restore) options.

1 **– When Windows is running:**

Click **Start > All Programs > Samsung > Samsung Recovery Solution > Samsung Recovery Solution**.

– When Windows does not start:

Turn the computer on and press the **F4** key when the boot screen (SAMSUNG logo) appears. After a moment, the computer boots up in Restoration mode and the Samsung Recovery Solution screen appears.

The touch screen function is not supported in this mode even if your model supports a touch screen. In this mode, please use the touchpad or mouse instead of the touch screen.

2 If the Samsung Recovery Solution program is launched for the first time after purchasing the computer, the license agreement screen appears before the restoration is started. Read the agreement and click **Agree** to continue.

3 If the initial menu screen appears, click **Restore**.

If you click **Select by Symptom**, the Select by Symptom menu appears. If you select a symptom, a recommended restoration option will blink. Click the restoration option to continue.

4 Select either **Basic Restore** or **Complete Restore** from the Restore menu.

- A **Basic Restore** restores the major Windows files only while maintaining the user configuration and data on the C drive in a short time.
- A **Complete Restore** deletes the entire C drive and then restores the contents of the C drive.

Run **Complete Restore** if the computer does not work even after **Basic Restore** has been completed.

4-1 If you have selected **Basic Restore**:

In the Basic Restore screen, click the **Next** button. The system will be restarted.

4-2 If you have selected **Complete Restore**:

In the restoration point selection screen, select the restoration point described as 'Computer Initial Status' and click the **Next** button. The system will be restarted.

Since a Complete Restore deletes all user data as well as additionally installed programs, please backup your important data first using the Data Backup function, before running Complete Restore.

5 The computer boots up into restoration mode and the restoration progress message appears. If you click **OK**, the restoration begins. The restoration may take some time, please wait for a moment.

6 When the 'Restart the System' message appears after the restoration is complete, click **OK** to restart the system.

Make sure that the power cord is connected while the restoration is in process. The first time the computer boots up after a Complete Restore has been performed, the speed of the boot process may be slowed down due to the system optimization process. At this time, do not shut the computer down by force.

User Complete Backup/Restore

A **Complete Backup** saves the complete image of the C drive onto another drive or DVD. A **Complete Restore** restores the image file saved by the Complete Backup onto the C drive. This guide describes the Complete Backup and Complete Restore procedures on the basis of backing up and restoring by using DVD.

Complete Backup

- If you run Complete Backup using a DVD, you can restore the computer even when a problem occurs with the hard disk or when the restoration area is removed.
- To perform a complete backup onto DVD, an external ODD that supports DVD burning must be connected.

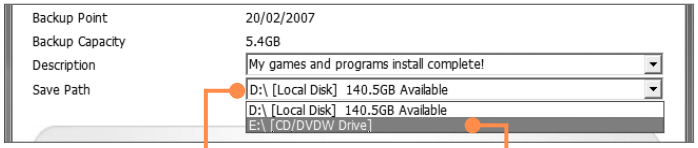
1 Click **Start > All Programs > Samsung > Samsung Recovery Solution > Samsung Recovery Solution**.

When you cannot start Windows, turn the computer on and press the F4 key in the boot screen to enter restoration mode.

2 When the initial menu screen appears, click **Backup**.

3 Click **Complete Backup** in the backup menu.

4 Enter a description for the backup regarding the current computer status in the Description field so that you can easily recognize it later, and specify the Save Path. If your computer has a DVD-Writer, you can specify the DVD drive as the Save Path.



Select Drive D.

Select the DVD drive.

5 If you click the **Next** button, the system restarts in restoration mode and the **Complete Backup** begins. If you have selected the DVD drive as the Save Path, the “Enter a blank DVD” message appears. Insert a blank DVD and click the **OK** button.

Samsung Recovery Solution supports DVD+R, DVD-R, DVD+RW, and DVD-RW, but does not support CD-R, CD-RW, DVD-RAM, DVD-DL (Dual Layer), HD-DVD, and Blu-Ray.

6 The Complete Backup begins. If multiple DVDs are required, the expected number of DVDs is displayed in the progress screen. Whenever burning a DVD is completed, the “Insert the next DVD” message will appear. Continue the backup according to the instructions.

7 When the ‘Restart the System’ message appears after the backup is complete, click **OK** to restart the system.

Complete Restore

1 **– When backing up onto DVD**

Turn the computer on and insert the backup DVD into the DVD drive.

If there are multiple backup DVDs, insert the first DVD.

– When backing up to another drive

Proceed to Step 2.

2 Click **Start > All Programs > Samsung > Samsung Recovery Solution > Samsung Recovery Solution**.

When you cannot start Windows, turn the computer on and press the F4 key in the boot screen to enter restoration mode.

3 When the initial menu screen appears, click **Restore** and then click **Complete Restore**.

4 Select a **Complete Backup** restoration point in the restoration point selection screen and click the **Next** button. The system is restarted.

5 The restoration progress message appears after the computer boots up in restoration mode. If you click **OK**, the restoration begins.

If multiple DVDs have been used for a Complete Backup, whenever burning a DVD is completed, the “Insert the next DVD” message will appear.

6 When the ‘Restart the System’ message appears after the restoration is complete, click **OK** to restart the system. The Complete Restore has been completed.

User Data Backup/Restore

Data Backup enables you to save specific files or folders onto another drive or DVD. **Data Restore** enables you to restore data using the data saved by a Data Backup when data is lost. This guide describes the Backup and Restore procedures on the basis of backing up and restoring by using DVD.

❍ Data Backup

1 Click **Start > All Programs > Samsung > Samsung Recovery Solution > Samsung Recovery Solution**.

When you cannot start Windows, turn the computer on and press the F4 key in the boot screen to enter restoration mode.

2 When the initial menu screen appears, click **Backup** and then click **Data Backup**.

3 In the data selection screen, select either **Basic Selection** or **Select from all**, select a folder or file to be backed up, and then click the **Next** button.

4 Enter a description for the backup in the **Description** field so that you can easily recognize it later and specify the **Save Path**. If your computer has a DVD-Writer, you can specify the DVD drive as the Save Path.

If you have specified a hard disk drive or a removable disk as the Save Path, the **SamsungRecovery\SamsungData** folder is created on the corresponding drive (e.g. D:\) and the data is saved to the folder. Take care to not delete the folder by mistake or on purpose.

5 If you click the **Next** button, the Data Backup begins. If you have selected the DVD drive as the Save Path, the “Enter a blank DVD” message appears. Insert a blank DVD and click the **OK** button.

6 The “Backup is completed” message appears.

Data Restore

1 **– When backing up onto DVD**

Turn the computer on and insert the backup DVD into the DVD drive.

– When backing up to another drive

Proceed to Step 2.

2 Click **Start > All Programs > Samsung > Samsung Recovery Solution > Samsung Recovery Solution**.

When you cannot start Windows, turn the computer on and press the F4 key in the boot screen to enter restoration mode.

3 When the initial menu screen appears, click **Restore** and then click **Data Restore**.

4 Select a backup item to be restored in the backup list and click the **Next** button.

5 Select a folder for the restoration and click the **Next** button. Data Restore begins.

6 When Data Restore is completed, check if the data has been restored to the specified folder.

Q & A

This section provides information on possible problems, solutions and other references for using the system.

Display Related

Q The LCD screen is too dark or too bright.

A Adjust the LCD brightness.
Press the **Wheel button** to run the **MENU** program and click of **Brightness**.

Q The screen saver disturbs Media Player playing a movie or video clip after the screen saver is activated while Media Player is playing.

A Unselect **Library > More Options > Player > Allow screen saver during playback** in the Media Player.

Q In the following cases, the screen blinks or displays noise for a short time.

Click the Graphics Related tab, Change Resolution, Change Display Device, Remove the AC Adapter, Restart the System, Change Power Scheme.

A This may happen while the video driver is examining the connected device. While busy detecting, any connected display devices may blink or some noise may occur.

Q I have pressed the Wheel button after connecting the Organizer and changed the output to both the LED and the projector in the MENU program, but the screen is not displayed properly.

A Press the **Wheel button** to run the **MENU** program and select **LCD+CRT Clone** in **LCD/CRT**.

The screen may not be displayed or only part of the screen may be displayed when the LCD resolution is too low or too wide and the projector cannot support the resolution. In this case, **right-click** over the Desktop, select **Personal Settings > Display Settings (Y)**, set the resolution to 800 x 600 pixels and then try again.

Q I have connected a monitor (or projector) to the computer, but the colors on the monitor are abnormally displayed.

A Check if the monitor and computer are properly connected with the signal cable and reconnect the cable if necessary.

Q The picture on the screen trembles.

A The picture on the screen may tremble when you view some Internet pages or play some on-line games. In this case, using an external monitor is recommended.

Organizer Related

Q When I connect an external display and change the settings to display the screen image on both the LCD and the external display by pressing the Fn + key combination, the screen is not displayed properly.

A Press **Fn** + key combination again. If the screen is still not displayed or only part of the screen is displayed by doing this, that means the LCD resolution is too low or too wide and the external display support the resolution. Right-click over the Desktop, select Properties, select the Settings tab and change the resolution to 800 x 600.

Q The Taskbar on the bottom of the screen does not appear when a projector is used as the display device.

A This may happen, if the projector does not support LCD resolution. In this case change the resolution to 800 x 600 (recommended) on your computer.

Q The shortcut icons are not displayed on the screen even if I press the shortcut key.

A The shortcut icons only appear when the Easy Display Manager program is installed.

Q The color is strange when the picture is displayed on the connected monitor (or projector).

A Check the monitor signal cable connection and reconnect the cable.

Q When I am connected to a 100Mbps/1Gbps wired LAN and the computer exits Sleep/hibernation mode, a message appears informing you of a connection to a 10Mbps/100Mbps wired LAN.

A When the computer exits standby/ hibernate mode, restoring the network takes about 3 seconds.

When the network is restored, it operates at 100Mbps/1Gbps.

Q The Wired LAN is connected, but the network does not work properly.

A The Wired LAN is not working when the Organizer is not connected correctly with system. Check the connection status.

Q The WOL (Wake On LAN) function

A The Wired LAN dose not support WOL (Wake On LAN) in the Organizer.

Wireless Network (WLAN) Related

Q I cannot find an AP.

- **Check the Wireless LAN LED.**

A Check if the Wireless LAN LED is on. If it is turned off, press the **Wheel button** to run the **MENU program** and set **Wireless LAN** to **On**. The wireless LAN is turned on.

Q The Wireless LAN device is operating properly, but I cannot connect to the Internet or to another computer.

This is due to an incorrect configuration, or a configuration error. Check the following:

A1 When connecting to a wireless Ad-Hoc network, check if the network name (SSID) is the same.

A2 If you are using a network key (encryption key), you have to use the same network key for an AP (Access Point) or a computer-to-computer network (Ad Hoc).

The AP network key can be configured using an AP management program. For more detailed information, ask your network administrator or product provider.

A3 Check that the device driver is installed properly. If the driver is not properly installed, you will find a yellow exclamation mark on the network icon by clicking **Start > Control Panel > System and Maintenance > Device Manager > Network Adapter**.

Q The signal strength is excellent, but I cannot connect to the network.

Even if the signal strength is excellent, the network connection may not operate properly if the TCP/IP properties are not properly configured, or the network key (encryption key) is incorrect.

A Check that the TCP/IP properties are configured properly. When connecting to an AP, right-click the **Network Connections** icon on the taskbar and select **Network and Sharing Center**. If you click the **View Status** next to a connected wireless network device and then click the **Detail** button, you can view the IP information. If the IP is not allocated properly, the IP address will be displayed as follows (e.g. 169.254.xxx.xxx).

If the network does not provide DHCP, you have to specify the correct IP address by asking your network administrator.

Even if the network provides DHCP, the server may not allocate an IP address to the client properly, and the client station cannot connect to the network.

Q I cannot connect to the AP.

Check the Computer Settings

A1 Select **Start** > **All Programs** > **Accessories** > **Windows Mobile Center** and check the wireless device status.

- **When the Wireless is turned off**

  If the Wireless LAN LED is inactivated with gray color, press the **Wheel button** to run the **MENU** program and set Wireless LAN to On.

- **When it is represented as Disconnected**

  This means the computer is not connected to the AP. Check the status of the AP, referring to the descriptions of the **Checking the SP Settings** section below. Check the encryption key configured in the AP and retry to the connection.

- **When it is represented as Connected, but you cannot connect to the Internet**

  This means the computer is connected to the AP, but the AP or external network connected with the AP may have a problem.

- **When the 'There is no wireless LAN adapter' message appears or there is no wireless LAN icon**

  This means the wireless LAN device is set to **Do Not Use** or the device is not recognized.

  Check if the wireless device is properly recognized in the Device Manager window. If the device is set to **Do Not Use**, right-click and select **Use** from the pop-up menu.

A2 Verify whether the same network key (encryption key) has been entered for both the AP and the computer. The network key is an encryption key for encrypting the data transmitted between the AP and the computer. It is recommended setting the network key manually.

Check the AP Settings

For the AP settings, refer to the User Guide provided by the AP manufacturer.

A3 Verify whether the environment is suitable for using a wireless LAN. The use of a wireless LAN may be restricted according to the environment and distance. Obstacles such as walls or doors affect the use of a wireless LAN. Install the AP in a high and open space, 50cm from the wall and far removed from any other radio signal sources.

A4 Verify whether the AP is operating properly.

- When the AP is not operating normally, turn off the AP, wait a short while, and turn it on again.
- Verify whether the AP's firmware is the most recent version. (Contact the AP manufacturer or the place where you purchased the AP for details of the AP firmware.)

A5 Verify whether the AP has been properly connected to the network. Verify whether the network is operating normally by connecting the wired network cable, which has been connected to the AP, to your computer.

A6 Check the network key settings (encryption key) again. When automatic code conversion (a passphrase function) has been selected and data communication is not functioning even with a normal wireless connection, it is recommended entering the network key (encryption key) manually.

A7 Check the AP settings as follows. (The following is recommended for a standard environment and thus may differ according to the specific wireless network environment.)

- When several APs are present simultaneously, check the channel settings for each AP. When different APs are using nearby channels, interference may occur between the electronic waves. Set the AP channels further apart from each other. (Ex: Ch1, Ch5, Ch9, Ch13)
- When an AP's SSID (Service Set ID) option is set to "Hide", you cannot search for that AP on the computer. We recommend unselecting the "Hide" option for the AP. The SSID is a name used for distinguishing one wireless LAN from another wireless LAN.

- It is recommended using Long Preamble. Preamble is a signal for data transmission synchronization. Short Preamble may be supported by some types of APs but may cause compatibility problems.
- It is recommended using a static IP.
- Since static channel selection is more reliable than auto channel selection, it is recommended using a static channel.

Q I cannot connect to a computer connected to the Ad-Hoc network.

A1 Check the security settings and network name of the wireless Ad-Hoc network.

A2 Check the TCP/IP settings of the computers connected to the wireless Ad-Hoc network. The IP addresses of the computers to be connected to a wireless Ad-Hoc network must be set to the same sub-network address.

- For example, if the TCP/IP setting is configured to a fixed IP address, select Use the following IP address in the TCP/IP Properties of the wireless adapter, configure the items as follows and try again.

  IP: 10.0.0.1~10.0.0.254, Subnet Mask: 255.255.255.0.

  It is recommended using a fixed IP address for wireless Ad-Hoc network connections.

A3 You have to register the IP address allocated for the wireless adapter as a 'Trusted IP' in McAfee SecurityCenter.

- Click **McAfee SecurityCenter > Advanced menu > Configure > Internet and Network > Advanced > Trusted and Banned IPs**, and register the IP address or IP address range as a Trusted IP address.

Q During the wireless Ad-Hoc network operation, the AP (Access Point) is intermittently not found.

A This problem occurs intermittently during the wireless Ad-Hoc network operation. Even if this problem occurs, the wireless Ad-Hoc network operation is working properly and is not affected. Click Refresh to update the AP list.

Q I have set the same IP address for both the wireless and wired connections, but they do not work properly.

A You cannot use wireless and wired connections using the same IP address. To sequentially use both the wired and wireless connections with the same IP address, you need to set the currently not needed connection to Do Not Use in the Network Connections of the Control Panel.

Q The wireless LAN does not work properly when there is a device operating on an adjacent frequency in the vicinity of the product.

A1 Channel interference may occur when a wireless video transceiver or a microwave oven is being used. If you experience channel interference from other equipment, we recommended changing the channel for connecting to the AP. For more information about AP settings, refer to the User Manual supplied by the AP manufacturer.

A2 Since IEEE802.11g equipment operates in hybrid mode when there is active IEEE802.11b equipment, the data rate may be degraded.

Bluetooth

Q The Korean or Chinese characters in a business card received via Bluetooth are broken.

A1 If you send a business card including Korean or Chinese characters by selecting a **Select a business card in the file (*.vcf, *.vcd)** option, the characters on the received card will be broken.

This is because the contents of the business card file are not set to Korean or Chinese characters (CHARSET). To resolve this problem, edit the contents of the business card file manually as follows.

❶ Right-click over a business card file (*.vcf, *.vcd) to be sent and select **Connect Program > Select Program**.

❷ Select **Notepad** from the program list.

❸ Edit the file as follows.

Example) “N:Magic Sens” => “**N;CHARSET=KS_C_5601:**Magic Sens”

For Korean, add “CHARSET=KS_C_5601”

For Chinese Simplified (CHS), add “CHARSET=gb2312”

For Chinese Traditional (CHT), add “CHARSET=Big5”

A2 Perform Send business card immediately in the Address Book of Microsoft Outlook or select Transmission by **Outlook business card selection**, and you will be able to transmit a business card without broken characters and without editing the VCF file.

Q When no headset is found or cannot be connected.

A1 If the headset is already connected to another device, you will not be able to find the headset and cannot connect to the headset even if the headset is found. Disconnect the connection to the other device and then start the search again.

A2 If the headset is connected to a power adapter, you cannot make a Bluetooth connection.

Disconnect the power adapter and then retry.

A3 In general, a Bluetooth headset has 2 operating modes, On/Off mode and Pairing mode.

To connect the headset to another Bluetooth device such as a PC or cell phone, the headset must be in Pairing mode.

Switch the headset to Pairing mode and then retry the search operation.

In general, the headset in Pairing mode automatically returns to On/Off mode after a certain period of time.

Q There is no sound or sound is intermittently interrupted after connecting a headset.

A1 If your headset is a **mono headset**, check if a mono headset connection has been made. In this case, to resolve the problem, complete the procedures below.

❶ Double-click over the Bluetooth icon on the Taskbar, double-click the headset and check the connection status of the **Bluetooth Headset and Microphone**. If it is not connected, right click over the device and select **Connect** from the pop-up menu.

❷ Right-click over the Speaker icon on the Taskbar, select **Playback Devices**, and make sure that the **Bluetooth SCO Audio** is enabled. If not, right-click over **Bluetooth SCO Audio** and select **Set as Default Device**.

A2 If your head set is a **stereo headset**, you have to check if the headset is connected as a stereo headset.

To resolve the problem, complete the procedures below.

❶ Double-click the Bluetooth icon on the Taskbar, double-click the headset and check the connection status of the **Bluetooth Advanced Audio**. If it is not connected, right-click over the device and select **Connect** from the pop-up menu.

❷ Check the status of **Bluetooth Headset and Microphone**. If connected, right-click over the device and select **Disconnect** or **Mute On** for stopping the function.

❸ Right-click over the Speaker icon on the Taskbar, select **Playback Devices**, and make sure that the **Bluetooth AV Audio** is enabled. If not, right-click over **Bluetooth AV Audio** and select Set as **Default Device**.

After changing the Bluetooth or sound settings, you must exit and re-run the audio/video player program (such as Windows Media Player) to apply the changed settings.

Game and Program Related

Windows Vista may not provide some functions properly when performing some applications especially games, or may cause a problem due to a device driver compatibility issue. For the latest device drivers and bug fixes, please refer to the respective company's website.

Q A 3D game does not work, or some functions are not working.

A Change the graphics settings of the game to '2D' or 'Software Renderer', then run the program again.

Q Running speed of a game is too slow or fast.

A Right-click over the Desktop, select **Personal Settings > Screen Saver > Change Power Setting** and select '**High Performance**'.

Q The picture is not displayed properly for some games.

A Some games such as 'Harry Potter and the Sorcerer's Stone', 'Harry Potter and the Chamber of Secrets', etc. may not display the picture properly when the screen resolution is set to 1024x768 and the color quality is set to 32 bit.

For these games, set the screen resolution to 1024x768, and the color quality to 16 bit.

Q The game is not displayed smoothly on the screen.

A For 3D games, the texture data for the 3D screen display is saved to the system memory.

If there is insufficient system memory, the data is saved to the hard disk drive and loaded to memory when required. This operation may temporarily stop displaying the picture on the screen.

In this case, lower the game resolution or the screen settings.

Samsung Recovery Solution

Q After performing a User Backup, the 'Insufficient free space in the hard disk drive' message appears.

► **This message appears when there is insufficient free space for the User Backup.**

A If there is insufficient free space on the hard disk drive, the User Backup file cannot be saved.

For the User Backup, move or delete some files from the hard disk drive and then try again.

Q The hard disk drive capacity is different from the specifications.

A Since Samsung Recovery Solution is installed on your computer and it reserves approximately 10 GB to save the restoration image, the hard disk drive capacity will be smaller than the actual capacity in My Computer or Windows Explorer. The amount of hard disk drive space used by Samsung Recovery Solution may differ depending on the computer model.

Other

Q I cannot run any functions.

A1 This may happen when the computer is in the HOLD status. When pressing a button or switch in the HOLD status, the **Charge LED** blinks for a moment. Slide the HOLD switch downwards and try again.

A2 If the computer is running on battery power, check the battery charge status.

Q The [Power Switch] does not work.

A1 This may happen when the computer is in the HOLD status. When pressing a button or switch in the HOLD status, the **Charge LED** blinks for a moment. Slide the HOLD switch downwards and try again.

A2 If the computer is running on battery power, check the battery charge status.

Q The User Controls window appears when installing or running a program in Windows Vista.

A In this case, click **Allow** (or **OK**) to install or run the program. However, if you do not have an administrator account, you have to enter the administrator password in the User Controls window and then click **Allow** (or **OK**). If no administrator password is set you can click **Allow** (or **OK**) without entering a password.

Q How can I install the program?

A You can additionally purchase and install the following devices for UMPC. (See the **Installing Programs** section of the 'Getting Started Guide'.

- **External USB ODD dedicated to UMPC or Compatible External USB ODD**
- **External USB HDD**

Q **I have turned the LCD screen off with a portable USB keyboard, but I cannot turn it on again.**

A When you are using an optional **Portable USB Keyboard Dedicated to UMPC**, if you have turned the **Backlit OFF** (Screen Off) by pressing the <**Fn**>+<**F5**> keys, press the <**Fn**>+<**F5**> keys on the keyboard again to turn the **Backlit ON** (Screen On).

Q **I want to replace the pointing stick cap of a portable USB keyboard.**

A A portable USB keyboard has a pointing stick that can be used instead of a mouse. Since a spare pointing stick cap is supplied when you purchase a USB keyboard, you can remove the cap and then insert a new one if necessary.

Product Specifications

The system specifications may differ depending on the derived models. For detailed system specifications, refer to the product catalog.

CPU	VIA Isaiah Processor
Main Memory (Optional)	Memory type: DDR2 SODIMM
Main Chipset (Optional)	VIA VX820
Hard Disk Drive (Optional)	5mmH HDD
Graphics (Optional)	VIA Chrome9 HC3 IGP
Sound Chipset	HD Audio, ALC272 Codec
Network (Optional)	Wireless LAN: 802.11BG (Optional) Bluetooth 2.0+EDR (Optional)
Multi Card Slot	SD card/ SDHC/ MMC
Ports (Optional)	USB 2.0 x 2, Headphone Jack, DC-in Jack, Organizer Port (Optional)
Dimensions	208.0 x 124.9 x 22.9mm
LCD	7” WSVGA (1024x600)
Battery (Optional)	Lithium-Ion smart battery: 4 Cells or 6 Cells
Operating Environment	Temperature (storage) : -5 ~ 40°C (operation) : 10 ~ 35°C Humidity (storage) : 5% ~ 90% (operation) : 20% ~ 80%
Operating Voltage	100 - 240VAC
Frequency	50 / 60Hz
Output Power (Optional)	40W (Optional)
Output Voltage	4.7VDC 4A (40W) (Optional)

- The weight and dimension listed are approximate values and may vary a bit from the actual product.
- Optional components may not be provided or different components may be provided depending on the computer model.
- The system specifications are subject to change without notice.
- The hard disk drive capacity of a computer in which Samsung Recovery Solution is installed, is represented as smaller than the product specification.

Wireless LAN Specifications (802.11a/b/g, 802.11n Card)

Intel 802.11ABG WLAN

- **The Name of the Registered Equipment** : Special Low Power Wireless Device for Wireless Data Communication Systems.

Item		Detailed Specifications
Physical Specifications	Dimensions	30.0 × 50.95mm (Width X Height)
	Operating Temperature And Humidity	Same as System Operations
		Temperature: Bet. 0°C and 70°C, Humidity: Less than 85%
Power Specifications	Power	3.3V
Network Specifications	Compatibility	IEEE 802.11a, IEEE 802.11b, IEEE 802.11g
	Operating System	Microsoft Windows XP/Vista
	Media Access Protocol (MAC)	CSMA/CA (Collision Avoidance) with Acknowledgement (ACK)
	Security	Wired Equivalent Privacy support (WEP) 64bit/128bit WPA*

* This device supports the Wireless LAN Security Specifications WPA (Wi-Fi Protected Access) for Wi-Fi.
To connect to a WPA wireless network, you have to configure the settings according to the network connection environment. For detailed setting information, ask your network administrator.

● Radio Specifications

RF Band	2.4GHz, 5GHz
Supported Channels	Channels allowed per country.
Device	Transceiver
Standard Output Power	MAX 10mW
Modulation Scheme	11a mode : OFDM
	11b mode : DSSS
	11g mode : OFDM
Data Rate (Mbps)*	11a mode** : MAX 54Mbps
	11b mode : MAX 11Mbps
	11g mode*** : MAX 54Mbps
Antenna Type	Built-in Antenna

* The data rate may differ from the real data transmission rate.

** 11a mode is only supported when the device is connected to an IEEE 802.11a device. (e.g. Access Point supporting IEEE 802.11a)

***11g mode is only supported when the device is connected to an IEEE 802.11g device. (e.g. Access Point supporting IEEE 802.11g)

Intel 802.11AGN WLAN

- **The Name of the Registered Equipment** : Special Low Power Wireless Device for Wireless Data Communication Systems.

Item		Detailed Specifications
Physical Specifications	Dimensions	30.0 × 50.95mm (Width X Height)
	Operating Temperature And Humidity	Same as System Operations
		Temperature: Bet. 0°C and 70°C, Humidity: Less than 85%
Power Specifications	Power	3.3V
Network Specifications	Compatibility	IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n
	Operating System	Microsoft Windows XP/Vista
	Media Access Protocol (MAC)	CSMA/CA (Collision Avoidance) with Acknowledgement (ACK)
	Security	Wired Equivalent Privacy support (WEP) 64bit/128bit WPA*

* This device supports the Wireless LAN Security Specifications WPA (Wi-Fi Protected Access) for Wi-Fi.
To connect to a WPA wireless network, you have to configure the settings according to the network connection environment. For detailed setting information, ask your network administrator.

● Radio Specifications

RF Band	2.4GHz, 5GHz
Supported Channels	Channels allowed per country.
Device	Transceiver
Standard Output Power	MAX 10mW
Modulation Scheme	11a mode : OFDM 11b mode : DSSS 11g mode : OFDM 11n mode : MIMO
Data Rate (Mbps)*	11a mode** : MAX 54Mbps 11b mode : MAX 11Mbps 11g mode*** : MAX 54Mbps 11n mode**** : MAX 450Mbps, MAX 300Mbps
Antenna Type	Built-in Antenna

* The data rate may differ from the real data transmission rate.

** 11a mode is only supported when the device is connected to an IEEE 802.11a device. (e.g. Access Point supporting IEEE 802.11a)

*** 11g mode is only supported when the device is connected to an IEEE 802.11g device. (e.g. Access Point supporting IEEE 802.11g)

****11n mode is only supported when it is connected to an IEEE802.11n device (e.g. Access Point supporting IEEE802.11n).

Wireless LAN Specifications (802.11BG Card)

Intel 802.11BG WLAN

- **The Name of the Registered Equipment** : Special Low Power Wireless Device for Wireless Data Communication Systems.

Item		Detailed Specifications
Physical Specifications	Dimensions	30.0 × 50.95mm (Width X Height)
	Operating Temperature And Humidity	Same as System Operations
		Temperature: Bet. 0°C and 70°C, Humidity: Less than 85%
Power Specifications	Power	3.3V
Network Specifications	Compatibility	IEEE 802.11b, IEEE 802.11g
	Operating System	Microsoft Windows XP/Vista
	Media Access Protocol (MAC)	CSMA/CA (Collision Avoidance) with Acknowledgement (ACK)
	Security	Wired Equivalent Privacy support (WEP) 64bit/128bit WPA*

* This device supports the Wireless LAN Security Specifications WPA (Wi-Fi Protected Access) for Wi-Fi.
To connect to a WPA wireless network, you have to configure the settings according to the network connection environment. For detailed setting information, ask your network administrator.

● Radio Specifications

RF Band	2.4GHz
Supported Channels	Channels allowed per country.
Device	Transceiver
Standard Output Power	MAX 10mW
Modulation Scheme	11b mode : DSSS
	11g mode : OFDM
Data Rate (Mbps)*	11b mode : MAX 11Mbps
	11g mode** : MAX 54Mbps
Antenna Type	Built-in Antenna

* The data rate may differ from the real data transmission rate.

** 11g mode is only supported when the device is connected to an IEEE 802.11g device. (e.g. Access Point supporting IEEE 802.11g)

Marvell 802.11BG WLAN

- **The Name of the Registered Equipment** : Special Low Power Wireless Device for Wireless Data Communication Systems.

Item		Detailed Specifications
Physical Specifications	Dimensions	30.0 × 30mm (Width X Height)
	Operating Temperature And Humidity	Temperature: Between 0°C and 70°C, Maximum Humidity: 85%
Power Specifications	Power	3.3V
Network Specifications	Compatibility	IEEE 802.11b, IEEE 802.11g
	Operating System	Microsoft Windows XP/Vista
	Media Access Protocol (MAC)	CSMA/CA (Collision Avoidance) with Acknowledgement (ACK)
	Security	Wired Equivalent Privacy support (WEP) 64bit/128bit WPA*

* This device supports the Wireless LAN Security Specifications WPA (Wi-Fi Protected Access) for Wi-Fi.
To connect to a WPA wireless network, you have to configure the settings according to the network connection environment. For detailed setting information, ask your network administrator.
This device does not support the Cisco Security Specification - Cisco Compatible eXtension(CCX).

● Radio Specifications

RF Band	2.4GHz
Supported Channels	Channels allowed per country.
Device	Transceiver
Standard Output Power	MAX 10mW
Modulation Scheme	11b mode : DSSS
	11g mode : OFDM
Data Rate (Mbps)*	11b mode : MAX 11Mbps
	11g mode** : MAX 54Mbps
Antenna Type	Built-in Antenna

* The data rate may differ from the real data transmission rate.

** 11g mode is supported only when you are connected to an IEEE 802.11g device (e.g. An Access Point supporting IEEE 802.11g).

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Glossary

The Glossary lists the terminologies used in this User Guide. For terminologies other than these, look in Windows Help.

Backup
A way to save the current data to restore it later if necessary. A backup is a way to restore computer data when the data or computer is damaged.

Client
This refers to a computer that uses a shared network resource provided by a server.

DDR SDRAM (Double Data Rate Synchronous Dynamic Random Access Memory)
DRAM is a memory type whose cells consist of a capacitor and transistor manufactured at a low price. SDRAM is a memory type whose performance has been improved by synchronizing the clock with the external CPU clock. DDR SDRAM is a memory type whose performance has been improved by doubling the operating speed of the SDRAM and is widely used nowadays. This computer uses DDR SDRAM.

Device Manager
An administrative tool used to manage computer devices. You can add or remove hardware or update a device driver using the Device Manager.

Direct X
An application interface developed to enable Windows application programs to access hardware devices at a very high speed. Since the operating speed of graphics, memory and sound cards must be very fast to provide high quality video and sound for games, Direct X enables faster control and interaction between applications and hardware devices. By using Direct X, the multimedia performance of Windows has been hugely improved.

Driver
Software that interacts between the hardware and the operating system. An operating system knows the hardware information and controls the hardware. In general, a driver is supplied with the corresponding hardware device.

DVD (Digital Versatile Disk)

DVD was developed to replace CD (compact disk). Although the shape and size of the disc are the same as that of a CD, the capacity of a DVD is at least 4.7GB while the capacity of a CD is 600MB. DVD video is digital unlike VHS (analog) video and supports MPEG2 compression and digital audio. To play a DVD, a DVD drive is required.

Firewall

A security system used to protect an internal network or intranet from external networks through an authentication procedure.

Hibernation Mode

A power mode that saves all data in memory to the hard disk and turns the CPU and hard disk off. When canceling Hibernation Mode, all application programs that were running are restored to their last state.

Icon

This refers to a small image that represents a file that users can use.

LAN (Local Area Network)

A communications network connecting computers, printers and other devices within a local area such as within a building. A LAN enables all connected devices to interact with other devices on the network. The current LAN uses the Ethernet media access control method developed in the early 1980s. To connect to an Ethernet, a network card called a LAN card, Ethernet card or network interface card is required. To exchange data between computers, a protocol is required besides the hardware equipment. Windows Vista uses TCP/IP as the default protocol.

LCD (Liquid Crystal Display)

There are Passive Matrix and Active Matrix LCD types. This computer uses the Active Matrix type LCD called a TFT LCD. Since an LCD is implemented by transistors instead of a cathode-ray tube unlike a CRT, its size can be slim. And because it does not blink, it reduces eye strain.

Network

A group of computers and devices, such as printers and scanners, connected by a communications link. A network can be either small or large and can be connected permanently through cables or temporarily through telephone lines or wireless links. The biggest network is the Internet, a worldwide network.

Network Administrator

A user who plans, configures and manages network operations. Sometimes, a network administrator is called a system administrator.

Notification Area

This refers to the right area of the Taskbar including program icons such as the volume control, the power options and the time.

Power Schemes

This refers to a pre-determined power management option group. For example, you can set the time the computer waits before entering Standby Mode, or before the monitor or hard drive turns off. The settings are saved as a power scheme.

Quick Launch

This refers to a toolbar that can be configured so that you can launch a program such as Internet Explorer or display the Windows Desktop with one click. You can add any icon to the quick launch area of the Taskbar and launch frequently used program by clicking that icon.

Server

In general, a server refers to a computer that provides shared resources for network users.

Share

This refers to setting a resource of a computer such as a folder or printer so that other users can also use it.

Shared Folder

A folder that can be used by other users on the network.

Sleep Mode

A power mode that enables computers to save power consumption when they are not being used. When a computer is in Sleep Mode, the data on the computer memory is not saved to the hard disk. If the power is tuned off, the data in memory will be lost.

System File

System Files refer to files that are read and used by the Windows operating system. In general, system files must not be deleted or moved.

USB (Universal Serial Bus)

This refers to a serial interface standard developed to replace the conventional interface standards such as Serial and PS/2. While USB 1.1 supports 12Mbps (12 million bits per second), USB 2.0 supports a data rate that is 40 times (480Mpbs) faster than that of USB 1.1. The data rate of USB 2.0 is equivalent to that of IEEE1394. Therefore USB 2.0 is used for A/V devices supported by IEEE 1394 and a 2nd HDD and CDRW that require a high data rate.

Windows

The name of an operating system developed by the Microsoft Corporation. Windows Vista is installed on this computer.

Windows Media Player

A multimedia program included with Windows. Using this program, you can play a media file, create an audio CD, listen to a radio broadcast, search and manage media files, and copy files to a portable device, etc.

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